

533 Rec'd PCT/PTO 0 5 SEP 2000

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<120> PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM
PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD
COMPONENTS

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<150> 60/134,406

<151> 1999-05-17

<150> 60/153,406

<151> 1999-09-10

<150> 60/159,783

<151> 1999-10-18

<160> 1617

<170> PatentIn Ver. 2.1

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1 5 10 15

Val Tyr Pro

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Ser Tyr Ser Met Glu His Phe Arg Trp Gly Lys Pro Val Gly Lys Lys
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Arg Arg Pro Val Lys Val Tyr Pro Asn Gly Ala Glu Asp Glu Ser Ala
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Glu Ala Phe Pro Leu Glu Phe
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Peptide

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Arg

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Peptide

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Arg Arg Pro Val Lys Val Tyr Pro
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Peptide

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1 5 10 15
Tyr Pro Asn Gly Ala Glu Asp Glu Ser Ala Glu Ala Phe Pro Leu Glu
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Ala Phe Pro Leu Glu Phe

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Glu Phe

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Peptide

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20 25 30

Glu Ala Phe Pro Leu Glu Phe
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Peptide

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Glu Asn Glu Ser Ala Glu Ala Phe Pro Leu Glu Phe
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Glu Phe

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Gly Asn Cys Leu Ile Gly Gly Val Ser Phe Thr Tyr Cys Cys Thr Arg
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Val

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Arg Arg

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003060-01922960

Arg

<210> 22

<211> 30

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Peptide

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Asn Ser Ser Ser Ser Gly Ser Ser Gly Ala Gly Gln Lys Arg
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Peptide

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1 5 10 15

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20 25 30

Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser
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<210> 24

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<210> 25

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<210> 26

<211> 13

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Peptide

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<210> 27

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Peptide

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Peptide

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<210> 32

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Peptide

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<210> 33

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Peptide

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<210> 34

<211> 6

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Peptide

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<210> 35
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Peptide

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Peptide

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Peptide

<400> 37
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<210> 38
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Peptide

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Gly Ser Pro Pro Lys Asp
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<210> 39
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Peptide

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1 5 10

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1 5

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Tyr Ile Thr Asn Cys Pro Tyr

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<210> 43

<211> 6

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Cys Tyr Ile Gln Asn Cys

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<210> 44

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<210> 45

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Met Asn Ile Lys Gly Ser Pro Trp Lys

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<210> 47

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<210> 50
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Peptide

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<210> 52

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<210> 54

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Peptide

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Tyr Phe Val Asn Cys Pro Gly
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Tyr Phe Gln Asn Cys Pro Arg Tyr
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<210> 60

<211> 7

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Ile Phe Ile Asn Cys Pro Arg
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<210> 61

<211> 8

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Tyr Phe Val Asn Cys Pro Arg Gly

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Tyr Phe Gln Asn Cys Pro Arg Gly
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Phe Phe Ile Asn Cys Pro Arg Ala
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Peptide

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Tyr Phe Gln Asn Cys Pro Lys
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<210> 66

<211> 8

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Peptide

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Phe Phe Ile Asn Cys Pro Arg Ala
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<210> 67

<211> 9

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Cys Tyr Phe Gln Asn Cys Pro Lys Gly
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<210> 68

<211> 7

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Tyr Phe Val Asn Cys Pro Gly

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<210> 69

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<210> 70

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<210> 71

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Peptide

<400> 71

Tyr Ile Gln Asn Cys Pro Gly

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<210> 72

Office of the Attorney General of the State of New York

<223> Description of Artificial Sequence: Synthetic Peptide

Ala Trp Pro Ser Pro Ser Val Glu Gly
20 25

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<220>
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Gln Glu Ala His Lys Asn Arg Lys Leu Glu Ile Ile
20 25

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Ala Glu Gln Ala Ala Leu Asn Arg Leu Leu Leu Glu Glu Ala
20 25 30

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Ser Gln Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu Arg
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Glu Val Leu Glu Met Thr Lys Ala Asp Gln Leu Ala Gln Gln Ala His
20 25 30

Asn Asn Arg Lys Leu Leu Asp Ile Ala
35 40

<210> 76
<211> 41
<212> PRT
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<223> Description of Artificial Sequence: Synthetic
Peptide

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Ser Glu Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu Arg
1 5 10 15
Glu Val Leu Glu Met Ala Arg Ala Glu Gln Leu Ala Gln Gln Ala His
20 25 30

Ser Asn Arg Lys Leu Met Glu Ile Ile
35 40

<210> 77
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Ser Gln Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu Arg
1 5 10 15

Glu Val Leu Glu Met Thr Lys Ala Asp Gln Leu Ala Gln Gln Ala His
20 25 30

Ser Asn Arg Lys Leu Leu Asp Ile Ala
35 40

<210> 78

<211> 41

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<400> 78

Ser Glu Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu Arg
1 5 10 15

Glu Val Leu Glu Met Ala Arg Ala Glu Gln Leu Ala Gln Gln Ala His
20 25 30

Ser Asn Arg Lys Leu Met Glu Asn Phe
35 40

<210> 79

<211> 21

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 79

Ser Glu Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu Arg
1 5 10 15

Glu Val Leu Glu Cys

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 Peptide

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 1 5 10 15
 Glu Gln Glu Ala Glu Gln Ala Ala Leu Asn Arg Leu Leu Leu Glu Glu
 20 25 30

Ala

<210> 81
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<210> 82
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 Peptide

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 Phe His Leu Leu Arg Glu Val Leu Glu Ala Arg Ala Glu Gln Leu Ala
 1 5 10 15
 Gln Gln Ala His Ser Asn Arg Lys Leu Glu Ile Ile
 20 25

<210> 83
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<400> 83

Phe His Leu Leu Arg Glu Val Leu Glu Ala Arg Ala Glu Gln Leu Ala
1 5 10 15

Gln Glu Ala His Lys Asn Arg Lys Leu Glu Ile Ile
20 25

<210> 84

<211> 40

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<400> 84

Ser Glu Glu Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu Arg Glu
1 5 10 15

Val Leu Glu Met Ala Arg Ala Glu Gln Leu Ala Gln Gln Ala His Ser
20 25 30

Asn Arg Lys Leu Met Glu Ile Ile
35 40

<210> 85

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Peptide

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Ala Gly Ser Glu
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<210> 87
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Peptide

<400> 87
Ser Gln Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu Arg
1 5 10 15
Glu Val Leu Glu Met Thr Lys Ala Asp Gln Leu Ala Gln Gln Ala His
20 25 30
Ser Asn Arg Lys Leu Leu Asp Ile Ala
35 40

<210> 88
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Peptide

<400> 88
Ser Gln Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu Arg
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Glu Val Leu Glu Thr Lys Ala Asp Gln Leu Ala Gln Gln Ala Tyr Ser

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Peptide

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Tyr Ser Glu Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu
1 5 10 15

Arg Glu Val Leu Glu Met Ala Arg Ala Glu Gln Leu Ala Gln Gln Ala
20 25 30

His Ser Asn Arg Lys Leu Met Glu Ile Ile
35 40

<210> 92

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Peptide

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Tyr Ser Gln Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu
1 5 10 15

Arg Glu Val Leu Glu Met Thr Lys Ala Asp Gln Leu Ala Gln Gln Ala
20 25 30

His Ser Asn Arg Lys Leu Leu Asp Ile Ala
35 40

<210> 93

<211> 9

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Peptide

<400> 93

Tyr Asn Arg Lys Leu Leu Asp Ile Ala
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<210> 94
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Peptide

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Tyr Asp Asp Pro Pro Leu Ser Ile Asp Leu Thr Phe His Leu Leu Arg
1 5 10 15
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20 25 30
Gln Asn Arg Ile Ile Phe Asp Ser Val
35 40

<210> 95
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Peptide

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Tyr Asp Asp Pro Pro Leu Ser Ile Asp Leu Thr Phe His Leu Leu Arg
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20 25 30
Gln Asn Arg Ile Ile Phe Asp Ser Val
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Peptide

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Asp Asn Pro Pro Leu Ser Ile Asp Leu Thr Phe His Leu Leu Arg Thr
1 5 10 15

Leu Leu Glu Leu Ala Arg Thr Gln Ser Gln Arg Glu Arg Ala Glu Gln
20 25 30

Asn Arg Ile Ile Phe Asp Ser Val
35 40

<210> 97

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Peptide

<400> 97

Asp Asp Pro Pro Leu Ser Ile Asp Leu Thr Phe His Leu Leu Arg Thr
1 5 10 15

Leu Leu Glu Leu Ala Arg Thr Gln Ser Gln Arg Glu Arg Ala Glu Gln
20 25 30

Asn Arg Ile Ile Phe Asp Ser Val
35 40

<210> 98

<211> 41

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Peptide

<400> 98

Asn Asp Asp Pro Pro Ile Ser Ile Asp Leu Thr Phe His Leu Leu Arg
1 5 10 15

Asn Met Ile Glu Met Ala Arg Ile Glu Asn Glu Arg Glu Gln Ala Gly
20 25 30

Leu Asn Arg Lys Tyr Leu Asp Glu Val
35 40

<210> 99
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Peptide

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Ala Gly Thr Ala Asp Cys Phe Trp Lys Tyr Cys Val
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<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 100
Ala Gly Asn Leu Ser Glu Cys Phe Trp Lys Tyr Cys Val
1 5 10

<210> 101
<211> 46
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 101
Thr Gly Ser Gly Pro Ser Leu Ser Ile Val Asn Pro Leu Asp Val Leu
1 5 10 15

Arg Gln Arg Leu Leu Leu Glu Ile Ala Arg Arg Arg Met Arg Gln Ser
20 25 30

Gln Asp Gln Ile Gln Ala Asn Arg Glu Ile Leu Gln Thr Ile
 35 40 45

<210> 102
 <211> 41
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 102
 Ser Glu Asp Pro Pro Met Ser Ile Asp Leu Thr Phe His Met Leu Arg
 1 5 10 15

Asn Met Ile His Met Ala Lys Met Glu Gly Glu Arg Glu Gln Ala Gln
 20 25 30

Ile Asn Arg Asn Leu Leu Asp Glu Val
 35 40

<210> 103
 <211> 29
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 103
 Phe Glu Cys Thr Thr His Gln Pro Arg Ser Pro Leu Arg Asp Leu Lys
 1 5 10 15

Gly Ala Leu Glu Ser Leu Ile Glu Glu Glu Thr Gly Gln
 20 25

<210> 104
 <211> 29
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 104

Phe Glu Cys Thr Thr His Gln Pro Arg Ser Pro Leu Arg Asp Leu Lys
1 5 10 15

Gly Ala Leu Glu Ser Leu Ile Glu Glu Thr Gly Gln
20 25

<210> 105

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 105

Asp Ala Glu Asn Leu Ile Asp Ser Phe Gln Glu Ile Val
1 5 10

<210> 106

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 106

Asn Thr Glu His Leu Val Asp Ser Phe Gln Glu Met Gly
1 5 10

<210> 107

<211> 13

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 107

Asp Thr Ser His His Asp Gln Asp His Pro Thr Phe Asp

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<210> 108

<400> 108

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<210> 109

<211> 26

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 109

Trp Cys Leu Glu Ser Ser Gln Cys Gln Asp Leu Ser Thr Glu Ser Asn

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Leu Leu Ala Cys Ile Arg Ala Cys Lys Pro

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<210> 110

<211> 10

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 110

Gln His Trp Ser Tyr Gly Leu Ser Pro Gly

1

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<210> 111

<211> 44

<212> PRT

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<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 111

Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg Gln Gln Gly
20 25 30

Glu Ser Asn Gln Glu Arg Gly Ala Arg Ala Arg Leu
35 40

<210> 112

<211> 44

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 112

Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Asn Arg Gln Gln Gly
20 25 30

Glu Arg Asn Gln Glu Gln Gly Ala Lys Val Arg Leu
35 40

<210> 113

<211> 44

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 113

Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg Gln Gln Gly
20 25 30

Glu Arg Asn Gln Glu Gln Gly Ala Arg Val Arg Leu
35 40

<210> 114

<211> 29

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 114

His Ala Asp Ala Ile Phe Thr Ser Ser Tyr Arg Arg Ile Leu Gly Gln
1 5 10 15

Leu Tyr Ala Arg Lys Leu Leu His Glu Ile Met Asn Arg
20 25

<210> 115

<211> 30

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 115

Val Asp Ser Met Trp Ala Glu Gln Lys Gln Met Glu Leu Glu Ser Ile
1 5 10 15

Leu Val Ala Leu Leu Gln Lys His Ser Arg Asn Ser Gln Gly
20 25 30

<210> 116

<211> 29

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 116

Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg
20 25

<210> 117

<211> 29

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 117

Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg
20 25

<210> 118

<211> 29

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 118

Tyr Arg Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg
20 25

<210> 119

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 119

His Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Ser Arg Gln Gln Gly
20 25 30

<210> 120

<211> 37

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 120

Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg Gln Gln Gly
20 25 30

Glu Ser Asn Gln Glu
35

<210> 121

<211> 40

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 121

Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg Gln Gln Gly
20 25 30

Glu Ser Asn Gln Glu Arg Gly Ala

<210> 122
 <211> 40
 <212> PRT
 <213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 122

Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
 1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg Gln Gln Gly
 20 25 30

Glu Ser Asn Gln Glu Arg Gly Ala
 35 40

<210> 123
 <211> 15
 <212> PRT
 <213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 123

Glu Gln Gly Glu Ser Asn Gln Glu Arg Gly Ala Arg Ala Arg Leu
 1 5 10 15

<210> 124
 <211> 42
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 124

His Val Asp Ala Ile Phe Thr Thr Asn Tyr Arg Lys Leu Leu Ser Gln

15

Arg Ile Gln Glu Gln Arg Ala Arg Leu Ser
35 40

<213> Artificial Sequence

<223> Description of Artificial Sequence: Synthetic Peptide

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Asn Arg Gln Gln Gly
20 25 30

Glu Arg Asn Gln Glu Gln Gly Ala Lys Val Arg Leu
35 40

<213> Artificial Sequence

<223> Description of Artificial Sequence: Synthetic Peptide

Leu Tyr Ala Arg Lys Leu Leu His Glu Ile Met Asn Arg Gln Gln Gly
20 25 30

Glu Arg Asn Gln Glu Gln Arg Ser Arg Phe Asn
35 40

<210> 127
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 127
His Trp Ala Trp Phe Lys
1 5

<210> 128
<211> 6
<212> PRT
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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 128
His Trp Ala Trp Phe Lys
1 5

<210> 129
<211> 5
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 129
Ala Ala Trp Phe Lys
1 5

<210> 130
<211> 6
<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 130

His Trp Lys Trp Phe Lys
1 5

<210> 131

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 131

Ala Ala Ala Trp Phe Leu
1 5

<210> 132

<211> 45

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 132

His Ala Asp Gly Met Phe Asn Lys Ala Tyr Arg Lys Ala Leu Gly Gln
1 5 10 15

Leu Ser Ala Arg Lys Tyr Leu His Thr Leu Met Ala Lys Arg Val Gly
20 25 30

Gly Gly Ser Met Ile Glu Asp Asp Asn Glu Pro Leu Ser
35 40 45

<210> 133

<211> 44

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 133

Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Asn Ser Arg Gln Gln Gly
20 25 30

Glu Ser Asn Gln Glu Arg Gly Ala Arg Ala Arg Leu
35 40

<210> 134

<211> 28

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 134

Tyr Ala Asp Ala Ile Phe Thr Asn Cys Tyr Arg Lys Val Leu Cys Gln
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Ser Arg
20 25

<210> 135

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 135

Phe Ser Lys Lys Leu Lys Pro Ala
1 5

<210> 136

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 136

Glu His Trp Ser His Gly Trp Tyr Pro Gly
1 5 10

<210> 137

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 137

Glu His Trp Ser Tyr Gly Leu Arg Pro Gly
1 5 10

<210> 138

<211> 7

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 138

Phe Ser Tyr Leu Arg Pro Ala
1 5

<210> 139

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

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Glu His Trp Ser Tyr Ala Leu Arg Pro Gly
1 5 10

<210> 140

<211> 10

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 140

Glu His Trp Ser Tyr Gly Leu Gln Pro Gly
1 5 10

<210> 141

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 141

His Trp Ser Tyr Val Arg Pro
1 5

<210> 142

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 142

Glu His Trp Ser Tyr Lys Leu Arg Pro Gly
1 5 10

<210> 143
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 143
Glu Phe Pro Ser Tyr Phe Leu Arg Pro Gly
1 5 10

<210> 144
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 144
Phe Trp Ser Tyr Ala Leu Arg Pro Gly
1 5

<210> 145
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 145
Glu Phe Trp Ser Tyr Trp Leu Arg Pro Gly
1 5 10

<210> 146
<211> 9
<212> PRT
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<220>

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<213> Artificial Sequence

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<210> 150
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<213> Artificial Sequence

<220>
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Peptide

<400> 150
His Trp Ser Tyr Ser Leu Arg Pro
1 5

<210> 151
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 151
Glu His Trp Ser Tyr Arg Trp Leu Pro
1 5

<210> 152
<211> 4
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 152
Leu Arg Pro Gly
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<210> 153
<211> 9
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 153

His Trp Ser Tyr Gly Leu Arg Pro Gly

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<210> 154

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 154

Glu His Tyr Ser Leu Glu Trp Lys Pro Gly

1

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<210> 155

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 155

Glu His Trp Ser Tyr Gly Trp Leu Pro Gly

1

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<210> 156

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 156

Ser Tyr Gly Leu Arg Pro Gly
1 5

<210> 157

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 157

His Trp Ser Tyr Gly Leu Lys Pro Gly
1 5

<210> 158

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 158

Phe Phe Ser Tyr Leu Arg Pro
1 5

<210> 159

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 159

His Trp Ser Tyr Gly Trp Leu Pro Gly
1 5

<210> 160

<211> 9

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 160

His Trp Ser Tyr Ser Leu Arg Pro Gly

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<210> 161

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 161

Ala Phe Trp Ser Tyr Ser Leu Arg Pro

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<210> 162

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 162

Glu Pro Asp Cys Cys Arg Gln Lys Thr Cys Ser Cys Arg Leu Tyr Glu

1

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15

Leu Leu His Gly Ala Gly Asn His Ala Ala Gly Ile Leu Thr Leu

20

25

30

<210> 163

<211> 28

<212> PRT

<213> Artificial Sequence

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2. The first part of the document is a list of references.	12. The first part of the document is a list of references.
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<400> 163

Ala Ser Gly Asn His Ala Ala Gly Ile Leu Thr Met
20 25

<211> 28

<213> Artificial Sequence

<223> Description of Artificial Sequence: Synthetic Peptide

Arg Pro Gly Pro Pro Gly Leu Gln Gly Arg Leu Gln Arg Leu Leu Gln
1 5 10 15

<210> 165

<211> 31

<212> PRT

<213> Artificial Sequence

<223> Description of Artificial Sequence: Synthetic Peptide

Ser Arg Thr His Arg His Ser Met Glu Ile Arg Thr Pro Asp Ile Asn
1 5 10 15

Pro Ala Trp Tyr Ala Ser Arg Gly Ile Arg Pro Val Gly Arg Phe
20 25 30

<211> 20

<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 166

Thr Pro Asp Ile Asn Pro Ala Trp Tyr Ala Ser Arg Gly Ile Arg Pro
1 5 10 15

Val Gly Arg Phe
20

<210> 167

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 167

Ser Arg Ala His Gln His Ser Met Glu Thr Arg Thr Pro Asp Ile Asn
1 5 10 15

Pro Ala Trp Tyr Thr Gly Arg Gly Ile Arg Pro Val Gly Arg Phe
20 25 30

<210> 168

<211> 20

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 168

Thr Pro Asp Ile Asn Pro Ala Trp Tyr Thr Gly Arg Gly Ile Arg Pro
1 5 10 15

Val Gly Arg Phe
20

<210> 169
<211> 31
<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 169
Ser Arg Ala His Gln His Ser Met Glu Ile Arg Thr Pro Asp Ile Asn
1 5 10 15
Pro Ala Trp Tyr Ala Ser Arg Gly Ile Arg Pro Val Gly Arg Phe
20 25 30

<210> 170
<211> 20
<212> PRT
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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 170
Thr Pro Asp Ile Asn Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro
1 5 10 15
Val Gly Arg Phe
20

<210> 171
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 171
Ala Tyr Trp Lys Phe
1 5

<210> 172
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 172
Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys
1 5 10

<210> 173
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 173
Asp Arg Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys
1 5 10 15

Lys

<210> 174
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 174
Asp Arg Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys
1 5 10 15

Lys

<210> 175
<211> 14
<212> PRT
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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 175
Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10

<210> 176
<211> 13
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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 176
Ala Gly Cys Lys Asn Phe Phe Lys Thr Phe Thr Ser Cys
1 5 10

<210> 177
<211> 13
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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 177
Ala Gly Cys Lys Asn Phe Phe Lys Thr Tyr Thr Ser Cys
1 5 10

<210> 178
<211> 11
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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 178

Cys His His Phe Phe Lys Thr Phe Thr Ser Cys
1 5 10

<210> 179

<211> 14

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 179

Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Trp Thr Ser Cys
1 5 10

<210> 180

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 180

Phe Cys Tyr Thr Thr
1 5

<210> 181

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 181

Ser Ala Asn Ser Asn Pro Ala Ala Pro Arg Glu Arg Lys Ala Gly Cys

1

5

10

15

Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 182

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 182

Phe Cys Phe Lys Thr Cys Thr
1 5

<210> 183

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 183

Ala Pro Ser Asp Pro Arg Leu Arg Gln Phe Leu Gln Lys Ser Leu Ala
1 5 10 15

Ala Ala Ala Gly Lys Gln Glu Leu Ala Lys Tyr Phe Leu Ala Glu Leu
20 25 30

<210> 184

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 184

Tyr Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10 15

<210> 185

<211> 14

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 185

Tyr Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10

<210> 186

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 186

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Tyr Arg Lys
1 5 10

<210> 187

<211> 14

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 187

Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Tyr Thr Ser Cys
1 5 10

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<400> 188
Tyr Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
      1              5              10              15
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<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 189
Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 190
Phe Trp Lys Thr
1

<220>

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Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<213> Artificial Sequence

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<213> Artificial Sequence

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu
1 5 10

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 194

Tyr Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala
1 5 10 15

Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 195

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 195

Ser Ala Asn Ser Asn Pro Ala Leu Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Tyr Thr Ser Cys
20 25

<210> 196

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 196

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys
1 5 10

<210> 197

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 197

Phe Cys Tyr Trp Lys Val Cys Trp
1 5

<210> 198

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 198

Phe Cys Tyr Trp Lys Val Cys Trp
1 5

<210> 199

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 199

Phe Cys Tyr Trp Thr Thr
1 5

<210> 200

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 200

Ala Cys Tyr Trp Leu Val Cys Thr
1 5

<210> 201
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 201
Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10

<210> 202
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 202
His Pro Gly
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<210> 203
<211> 1
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 203
Thr
1

<210> 204
<211> 3
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<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 204

Thr His Pro

1

<210> 205

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 205

Glu His Pro

1

<210> 206

<211> 3

<212> PRT

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<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 206

Glu Gln Pro

1

<210> 207

<211> 2

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 207

Glu His

1

<210> 208

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 208

His Pro Gly Lys

1

<210> 209

<211> 3

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 209

His Pro Gly

1

<210> 210

<211> 2

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 210

Glu Pro

1

<210> 211

<211> 2

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 211
Phe Pro
1

<210> 212
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 212
Phe Leu Trp Lys Asp Leu Gln Arg Val Arg Gly Asp Leu Gly Ala Ala
1 5 10 15

Leu Asp Ser Trp Ile Thr
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<210> 213
<211> 24
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 213
Glu Glu Glu Glu Lys Asp Ile Glu Ala Glu Glu Arg Gly Asp Leu Gly
1 5 10 15

Glu Gly Gly Ala Trp Arg Leu His
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<210> 214
<211> 10

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 214

Ser Phe Pro Trp Met Glu Ser Asp Val Thr
1 5 10

<210> 215

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 215

Cys Ala Ser Leu Ser Thr Cys Val Leu Gly Lys Leu Ser Gln Glu Leu
1 5 10 15

His Lys Leu Gln Thr Tyr Pro Arg Thr Asp Val Gly Ala Gly Thr Pro
20 25 30

<210> 216

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 216

Cys Ser Asn Leu Ser Thr Cys Val Leu Gly Lys Leu Ser Gln Glu Leu
1 5 10 15

His Lys Leu Gln Thr Tyr Pro Arg Thr Asp Val Gly Ala Gly Thr Pro
20 25 30

<210> 217
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 217
Cys Gly Asn Leu Ser Thr Cys Met Leu Gly Thr Tyr Thr Gln Asp Phe
1 5 10 15

Asn Lys Phe His Thr Phe Pro Gln Thr Ala Ile Gly Val Gly Ala Pro
20 25 30

<210> 218
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 218
Cys Ser Asn Leu Ser Thr Cys Val Leu Ser Ala Tyr Trp Arg Asn Leu
1 5 10 15

Asn Asn Phe His Arg Phe Ser Gly Met Gly Phe Gly Pro Glu Thr Pro
20 25 30

<210> 219
<211> 32
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 219

Cys Gly Asn Leu Ser Thr Cys Met Leu Gly Thr Tyr Thr Gln Asp Leu
1 5 10 15

Asn Lys Phe His Thr Phe Pro Gln Thr Ser Ile Gly Val Gly Ala Pro
20 25 30

<210> 220

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 220

Cys Ser Asn Leu Ser Thr Cys Val Leu Gly Lys Leu Ser Gln Glu Leu
1 5 10 15

His Lys Leu Gln Thr Tyr Pro Arg Thr Asn Thr Gly Ser Gly Thr Pro
20 25 30

<210> 221

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 221

Val Leu Gly Lys Leu Ser Gln Glu Leu His Lys Leu Gln Thr Tyr Pro
1 5 10 15

Arg Thr Asn Thr Gly Ser Gly Thr Pro
20 25

<210> 222
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 222
Asp Met Ser Ser Asp Leu Glu Arg Asp His Arg Pro His Val Ser Met
1 5 10 15

Pro Gln Asn Ala Asn
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<210> 223
<211> 57
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 223
Ala Pro Phe Arg Ser Ala Leu Glu Ser Ser Pro Ala Asp Pro Ala Thr
1 5 10 15

Leu Ser Glu Asp Glu Ala Arg Leu Leu Leu Ala Ala Leu Val Gln Asp
20 25 30

Tyr Val Gln Met Lys Ala Ser Glu Leu Glu Gln Glu Gln Glu Arg Glu
35 40 45

Gly Ser Ser Leu Asp Ser Pro Arg Ser
50 55

<210> 224
<211> 37
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 224

Ser Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
1 5 10 15

Ser Arg Ser Gly Gly Val Val Lys Ser Asn Phe Val Pro Thr Asn Val
20 25 30

Gly Ser Gln Ala Phe
35

<210> 225

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 225

Ser Gly Gly Val Val Lys Asn Asn Phe Val Pro Thr Asn Val Gly Ser
1 5 10 15

Lys Ala Phe

<210> 226

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 226

Ser Gly Gly Val Val Lys Asn Asn Phe Val Pro Thr Asn Val Gly Ser
1 5 10 15

Lys Ala Phe

<210> 227
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 227
Val Lys Asn Asn Phe Val Pro Thr Asn Val Gly Ser Lys Ala Phe
1 5 10 15

<210> 228
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 228
Ser Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
1 5 10 15

Ser Arg Ser Gly Gly Val Val Lys Asp Asn Phe Val Pro Thr Asn Val
20 25 30

Gly Ser Lys Ala Phe
35

<210> 229
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 229
Ala Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Asp Phe Leu

1

5

10

15

Ser Arg Ser Gly Gly Val Gly Lys Asn Asn Phe Val Pro Thr Asn Val
 20 25 30

Gly Ser Lys Ala Phe
 35

<210> 230

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 230

Ala Cys Asp Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
 1 5 10 15

Ser Arg Ser Gly Gly Val Val Lys Asn Asn Phe Val Pro Thr Asn Val
 20 25 30

Gly Ser Lys Ala Phe
 35

<210> 231

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 231

Cys Gly Asn Leu Ser Thr Cys
 1 5

<210> 232

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 232

Asp Met Ala Lys Asp Leu Glu Thr Asn His His Pro Tyr Phe Gly Asn
1 5 10 15

<210> 233

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 233

Ala Cys Asp Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
1 5 10 15

Ser Arg Ser

<210> 234

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 234

Gly Gly Val Val Lys Asn Asn Phe Val Pro Thr Asn Val Gly Ser Lys
1 5 10 15

Ala Phe

<210> 235

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 235

Val Thr His Arg Leu Ala Gly Leu Leu Ser Arg Ser Gly Gly Val Val
1 5 10 15

Lys Asn Asn Phe Val Pro Thr Asn Val Gly Ser Lys Ala Phe
20 25 30

<210> 236

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 236

Ala Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
1 5 10 15

Ser Arg Ser Gly Gly Met Val Lys Ser Asn Phe Val Pro Thr Asn Val
20 25 30

Gly Ser Lys Ala Phe
35

<210> 237

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 237

Ser Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
1 5 10 15

Ser Arg Ser Gly Gly Val Val Lys Asp Asn Phe Val Pro Thr Asn Val
20 25 30

Gly Ser Glu Ala Phe
35

<210> 238
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 238
Ser Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
1 5 10 15

Ser Arg Ser Gly Gly Val Val Lys Asp Asn Phe Val Pro Thr Asn Val
20 25 30

Gly Ser Glu Ala Phe
35

<210> 239
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 239
Val Thr His Arg Leu Ala Gly Leu Leu Ser Arg Ser Gly Gly Val Val
1 5 10 15

Lys Asp Asn Phe Val Pro Thr Asn Val Gly Ser Glu Ala Phe
20 25 30

<210> 240
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 240

Pro Thr Asn Val Gly Ser Glu Ala Phe

1

5

<210> 241

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 241

Thr Asn Val Gly Ser Glu Ala Phe

1

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<210> 242

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 242

Asn Val Gly Ser Glu Ala Phe

1

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<210> 243

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 243

Val Gly Ser Glu Ala Phe

1

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<210> 244
 <211> 6
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

 <400> 244
 Val Gly Ser Glu Ala Phe
 1 5

<210> 245
 <211> 4
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

 <400> 245
 Ser Glu Ala Phe
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<210> 246
 <211> 37
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

 <400> 246
 Ala Cys Asp Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
 1 5 10 15

 Ser Arg Ser Gly Gly Val Val Lys Asn Asn Phe Val Pro Thr Asn Val
 20 25 30

 Gly Ser Lys Ala Phe
 35

<210> 247

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 247

Ser Asn Leu Ser Thr Val Leu Gly Lys Leu Ser Gln Glu Leu His Lys
1 5 10 15

Leu Gln Thr Tyr Pro Arg Thr Asp Val Gly Ala Gly Thr Pro
20 25 30

<210> 248

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 248

Tyr Ala Cys Asp Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu
1 5 10 15

Leu Ser Arg Ser Gly Gly Val Val Lys Asn Asn Phe Val Pro Thr Asn
20 25 30

Val Gly Ser Lys Ala Phe
35

<210> 249

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 249

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 252

Tyr Val Lys Asp Asn Phe Val Pro Thr Asn Val Gly Ser Glu Ala Phe
1 5 10 15

<210> 253

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 253

Ser Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
1 5 10 15

Ser Arg Ser Gly Gly Val Val Lys Asp Asn Phe Val Pro Thr Asn Val
20 25 30

Gly Ser Glu Ala Phe
35

<210> 254

<211> 46

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 254

Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser Gln Arg Pro Arg Lys Lys
1 5 10 15

Glu Asp Asn Val Leu Val Glu Ser His Glu Lys Ser Leu Gly Glu Ala
20 25 30

Asp Lys Ala Asp Val Asn Val Leu Thr Lys Ala Lys Ser Gln
35 40 45

<210> 255
 <211> 32
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 255
 Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu Lys Ser Leu Gly
 1 5 10 15
 Glu Ala Asp Lys Ala Asp Val Asp Val Leu Thr Lys Ala Lys Ser Gln
 20 25 30

<210> 256
 <211> 84
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 256
 Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15
 Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30
 Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45
 Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
 50 55 60
 Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu Thr Lys
 65 70 75 80
 Ala Lys Ser Gln

005000-8456560

<210> 257
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 257
Glu Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu Thr
1 5 10 15
Lys Ala Lys Ser Gln
20

<210> 258
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 258
Ser Val Ser Glu Ile Gln Leu Asn His Asn Leu Gly Lys His Leu Asn
1 5 10 15
Ser Leu Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe

<210> 259
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 259

Ser Val Ser Glu Cys Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Cys Gln Asp Val His
20 25 30

Asn Phe

<210> 260

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 260

Ala Val Ser Glu His Gln Leu Leu His Asp Lys Gly Lys Ser Ile Gln
1 5 10 15

Asp Leu Arg Arg Arg Phe Phe Leu His His Leu Ile Ala Glu Ile His
20 25 30

Thr Ala Glu Ile Arg Ala Thr Ser
35 40

<210> 261

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 261

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Leu Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe

<210> 262

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 262

Ala Val Ser Glu Ile Gln Phe His Asn Leu Gly Lys His Leu Ser Ser
1 5 10 15

Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn Tyr
20 25 30

<210> 263

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 263

Ser Glu Ile Gln Phe His Asn Leu Gly Lys His Leu Ser Ser Glu Arg
1 5 10 15

Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn Tyr
20 25 30

<210> 264

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 264

Ser Val Ser Glu Ile Gln Leu His Asn Leu Gly Lys His Leu Asn Ser
1 5 10 15

Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn Tyr
20 25 30

<210> 265

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 265

Ser Val Ser Glu Ile Gln Leu His Asn Leu Gly Lys His Leu Asn Ser
1 5 10 15

Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn Tyr
20 25 30

<210> 266

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 266

Ser Glu Ile Gln Leu His Asn Leu Gly Lys His Leu Asn Ser Glu Arg
1 5 10 15

Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn Tyr
20 25 30

<210> 267
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 267
Phe His Asn Leu Gly Lys His Leu Ser Ser Glu Arg Val Glu Trp Leu
1 5 10 15

Arg Lys Lys Leu Gln Asp Val His Asn Tyr
20 25

<210> 268
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 268
Ala Val Ser Glu Ile Gln Leu His Asn Leu Gly Lys His Leu Ala Ser
1 5 10 15

Val Glu Arg Gln Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn Tyr
20 25 30

<210> 269
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 269

Arg Asp Ala Gly Ser Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu
1 5 10 15

Val Glu Ser His Glu Lys Ser Leu Gly
20 25

<210> 270

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 270

Ser Glu Ile Gln Phe Met His Asn Leu Gly Lys His Leu Ser Ser Met
1 5 10 15

Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn Phe
20 25 30

<210> 271

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 271

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val
20 25 30

<210> 272

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 272

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe

<210> 273

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 273

Lys His Leu Asn Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu
1 5 10 15

Gln Asp Val His Asn Phe
20

<210> 274

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 274

Ala Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Ala
1 5 10 15

Ser Val Glu Arg Met Gln Trp Leu Arg Lys Lys Leu Gln Asp Val His

20

25

30

Asn Phe

<210> 275

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 275

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
		20						25					30		

Asn	Phe	Val	Ala	Leu	Gly
				35	

<210> 276

<211> 44

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 276

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
		20						25					30		

Asn	Phe	Val	Ala	Leu	Gly	Ala	Pro	Leu	Ala	Pro	Arg
		35					40				

<210> 277

<211> 21

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 277

Leu Gln Asp Val His Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro
1 5 10 15

Arg Asp Ala Gly Ser
20

<210> 278

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 278

Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser Gln Arg Pro Arg Lys Lys
1 5 10 15

Glu Asp Asn Val Leu Val Glu Ser His Glu Lys Ser Leu Gly
20 25 30

<210> 279

<211> 46

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 279

Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser Gln Arg Pro Arg Lys Lys
1 5 10 15

Glu Asp Asn Val Leu Val Glu Ser His Glu Lys Ser Leu Gly Glu Ala
20 25 30

Asp Lys Ala Asp Val Asn Val Leu Thr Lys Ala Lys Ser Gln
35 40 45

<210> 280

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 280

Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu Lys Ser Leu Gly
1 5 10 15

Glu Ala Asp Lys Ala Asp Val Asp Val Leu Thr Lys Ala Lys Ser Gln
20 25 30

<210> 281

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 281

Glu Ala Asp Lys Ala Asp Val Asn Val Leu Thr Lys Ala Lys Ser Gln
1 5 10 15

<210> 282

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 282

Ala Asp Lys Ala Asp Val Asn Val Leu Thr Lys Ala Lys Ser Gln
 1 5 10 15

<210> 283
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 283
 Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
 1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
 20 25 30

Arg Pro Arg Tyr
 35

<210> 284
 <211> 41
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 284
 Tyr Ala Val Ser Glu His Gln Leu Leu His Asp Lys Gly Lys Ser Ile
 1 5 10 15

Gln Asp Leu Arg Arg Arg Phe Phe Leu His His Leu Ile Ala Glu Ile
 20 25 30

His Thr Ala Glu Ile Arg Ala Thr Ser
 35 40

<210> 285
 <211> 45
 <212> PRT
 <213> Artificial Sequence

00300-37322900

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 285

Tyr Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu
1 5 10 15

Asn Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val
20 25 30

His Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg
35 40 45

<210> 286

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 286

Tyr Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu
1 5 10 15

Asn Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val
20 25 30

His Asn Phe
35

<210> 287

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 287

Tyr Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe

<210> 288

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 288

Tyr Leu Gln Asp Val His Asn Phe Val Ala Leu Gly Ala Pro Leu Ala
 1 5 10 15

Pro Arg Asp Ala Gly Ser
 20

<210> 289

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 289

Phe Met His Asn Leu Gly Lys His Leu Ser Ser Met Glu Arg Val Glu
 1 5 10 15

Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn Tyr
 20 25

<210> 290

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

005060:8452300

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 290

Tyr Arg Asp Ala Gly Ser Gln Arg Pro Arg Lys Lys Glu Asp Asn Val
1 5 10 15

Leu Val Glu Ser His Glu Lys Ser Leu Gly
20 25

<210> 291

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 291

Tyr Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu Lys Ser Leu
1 5 10 15

Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu Thr Lys Ala Lys Ser
20 25 30

Gln

<210> 292

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 292

Tyr Glu Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu
1 5 10 15

Thr Lys Ala Lys Ser Gln
20

<210> 293
<211> 34
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 293

Ala Val Ser Glu His Gln Leu Leu His Asp Lys Gly Lys Ser Ile Gln
1 5 10 15

Asp Leu Arg Arg Arg Phe Phe Leu His His Leu Ile Ala Glu Ile His
20 25 30

Thr Ala

<210> 294
<211> 5
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 294

Ala Arg Ser Ala Trp
1 5

<210> 295
<211> 34
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 295

Ala Val Ser Glu His Gln Leu Leu His Asp Lys Gly Lys Ser Ile Gln
1 5 10 15

Asp Leu Arg Arg Arg Phe Phe Leu His His Leu Ile Ala Glu Ile His

Thr Ala

<210> 296

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 296

Val	Ser	Glu	His	Gln	Leu	Leu	His	Asp	Lys	Gly	Lys	Ser	Ile	Gln	Asp
1				5				10					15		

Leu	Arg	Arg	Arg	Phe	Phe	Leu	His	His	Leu	Ile	Ala	Glu	Ile	His	Thr
				20				25					30		

Ala

<210> 297

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 297

Tyr	Ala	Val	Ser	Glu	His	Gln	Leu	Leu	His	Asp	Lys	Gly	Lys	Ser	Ile
1				5				10					15		

Gln	Asp	Leu	Arg	Arg	Arg	Phe	Phe	Leu	His	His	Leu	Ile	Ala	Glu	Ile
				20				25					30		

His Thr Ala

35

<210> 298

<211> 34

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 298

Ala Val Ser Glu His Gln Leu Leu His Asp Lys Gly Lys Ser Ile Gln
1 5 10 15

Asp Leu Arg Arg Arg Phe Phe Leu His His Leu Ile Ala Glu Ile His
20 25 30

Thr Tyr

<210> 299

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 299

Ala Val Ser Glu His Gln Leu Leu His Asp Lys Gly Lys Ser Ile Gln
1 5 10 15

Asp Leu Arg Arg Arg Phe Phe Leu His His Leu Ile Ala Glu Ile His
20 25 30

Thr Ala Glu Ile Arg
35

<210> 300

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 300

Leu Leu His Asp Lys Gly Lys Ser Ile Gln Asp Leu Arg Arg Arg Phe
 1 5 10 15

Phe Leu His His Leu Ile Ala Glu Ile His Thr Ala
 20 25

<210> 301
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 301
 Ala Thr Ser Glu Val Ser Pro Asn Ser Lys Pro Ser Pro Asn Thr Lys
 1 5 10 15

Asn His Pro Val Arg Phe Gly Ser Asp Asp Glu
 20 25

<210> 302
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 302
 Tyr Leu Thr Gln Glu Thr Asn Lys Val Glu Thr Tyr Lys Glu Gln Pro
 1 5 10 15

Leu Lys Thr Pro
 20

<210> 303
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic

003060-81922900

Peptide

<400> 303

Thr Arg Ser Ala Trp

1 5

<210> 304

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 304

Thr Arg Ser Ala Trp

1 5

<210> 305

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 305

Thr Arg Ser Ala Trp Leu Asp Ser Gly Val Thr Gly Ser Gly Leu Glu

1 5 10 15

Gly Asp His Leu Ser Asp Thr Ser Thr Ser Leu Glu Leu Asp Ser

20 25 30

<210> 306

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 306

Ser Ala Trp Leu Asp Ser Gly Val Thr Gly Ser Gly Leu Glu Gly Asp
1 5 10 15

His Leu Ser Asp Thr Ser Thr Thr Ser Leu Glu Leu Asp Ser Arg Arg
20 25 30

His

<210> 307

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 307

Thr Ala Leu Leu Trp Gly Leu Lys Lys Lys Lys Glu Asn Asn Arg Arg
1 5 10 15

Thr His His Met Gln Leu Met Ile Ser Leu Phe Lys Ser Pro Leu Leu
20 25 30

Leu Leu

<210> 308

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 308

Met Ile Pro Ala Lys Asp Met Ala Lys Val Met Ile Val Met Leu Ala
1 5 10 15

Ile Arg Phe Leu Thr Lys Ser Asp Gly Lys Ser Val Lys Lys Arg
20 25 30

<210> 309
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 309
Thr Ala Leu Leu Trp Gly Leu Lys Lys Lys Lys Gly Lys Gln Gln Lys
1 5 10 15

Asn Thr Ser Tyr Ala Thr Asn Asp Leu Ile Ile
20 25

<210> 310
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 310
Ala Thr Gln Arg Leu Ala Asn Phe Leu Val His Ser Ser Asn Asn Phe
1 5 10 15

Gly Ala Ile Leu Ser Ser Thr Asn Val Gly Ser Asn Thr Tyr
20 25 30

<210> 311
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 311
Ala Thr Gln Arg Leu Ala Asn Phe Leu Val Arg Ser Ser Asn Asn Leu
1 5 10 15

Gly Pro Val Leu Pro Pro Thr Asn Val Gly Ser Asn Thr Tyr
 20 25 30

<210> 312
 <211> 25
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 312
 Val Leu Gly Lys Leu Ser Gln Glu Leu His Lys Leu Gln Thr Tyr Pro
 1 5 10 15

Arg Thr Asn Thr Gly Ser Asn Thr Tyr
 20 25

<210> 313
 <211> 24
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 313
 Leu Gly Arg Leu Ser Gln Glu Leu His Arg Leu Gln Thr Tyr Pro Arg
 1 5 10 15

Thr Asn Thr Gly Ser Asn Thr Tyr
 20

<210> 314
 <211> 25
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

00300 34522900

<400> 314

Ala Thr Gln Arg Leu Ala Asn Glu Leu Val Arg Leu Gln Thr Tyr Pro
1 5 10 15

Arg Thr Asn Val Gly Ser Asn Thr Tyr
20 25

<210> 315

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 315

Thr Gln Arg Leu Ala Asn Phe Leu Val His Ser Ser Asn Asn Phe Gly
1 5 10 15

Ala Ile Leu Ser Ser Thr Asn Val Gly Ser Asn Thr Tyr
20 25

<210> 316

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 316

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Ile Arg Ser Ser Asn Asn Leu Gly Ala Ile Leu Ser Pro Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 317

<211> 37

<212> PRT

[illegible]

<223> Description of Artificial Sequence: Synthetic Peptide

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<211> 37

<213> Artificial Sequence

<223> Description of Artificial Sequence: Synthetic Peptide

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val His Ser Ser Asn Asn Phe Gly. Ala Ile Leu Ser Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<211> 13

<213> Artificial Sequence

<223> Description of Artificial Sequence: Synthetic Peptide

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala

1

5

10

<210> 320

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 320

Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser
1 5 10

<210> 321

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 321

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15Val Arg Ser Ser Asn Asn Leu Gly Pro Val Leu Pro Pro Thr Asn Val
20 25 30Gly Ser Asn Thr Tyr
35

<210> 322

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 322

Ala Thr Gln Arg Leu Ala Asn Phe Leu Val Arg Ser Ser Asn Asn Leu

1

5

10

15

Gly Pro Val Leu Pro Pro Thr Asn Val Gly Ser Asn Thr Tyr
20 25 30

<210> 323

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 323

Ala Thr Gln Arg Leu Ala Asn Phe Leu Val His Ser Ser Asn Asn Phe
1 5 10 15

Gly Ala Ile Leu Ser Ser Thr Asn Val Gly Ser Asn Thr Tyr
20 25 30

<210> 324

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 324

Ala Thr Gln Arg Leu Ala Asn Phe Leu Val Arg Ser Ser Asn Asn Leu
1 5 10 15

Gly Pro Val Leu Pro Pro Thr Asn Val Gly Ser Asn Thr Tyr
20 25 30

<210> 325

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 325

Val Leu Gly Lys Leu Ser Gln Glu Leu His Lys Leu Gln Thr Tyr Pro
1 5 10 15

Arg Thr Asn Thr Gly Ser Asn Thr Tyr
20 25

<210> 326

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 326

Leu Gly Arg Leu Ser Gln Glu Leu His Arg Leu Gln Thr Tyr Pro Arg
1 5 10 15

Thr Asn Thr Gly Ser Asn Thr Tyr
20

<210> 327

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 327

Ala Thr Gln Arg Leu Ala Asn Glu Leu Val Arg Leu Gln Thr Tyr Pro
1 5 10 15

Arg Thr Asn Val Gly Ser Asn Thr Tyr
20 25

<210> 328

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 328

Thr Gln Arg Leu Ala Asn Phe Leu Val His Ser Ser Asn Asn Phe Gly
1 5 10 15

Ala Ile Leu Ser Ser Thr Asn Val Gly Ser Asn Thr Tyr
20 25

<210> 329

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 329

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Ile Arg Ser Ser Asn Asn Leu Gly Ala Ile Leu Ser Pro Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 330

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 330

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 331
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 331
Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 332
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 332
Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala
1 5 10

<210> 333
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 333

005050-27322300

Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser
 1 5 10

<210> 334
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 334
 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
 1 5 10 15

Val Arg Ser Ser Asn Asn Leu Gly Pro Val Leu Pro Pro Thr Asn Val
 20 25 30

Gly Ser Asn Thr Tyr
 35

<210> 335
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 335
 Ala Thr Gln Arg Leu Ala Asn Phe Leu Val Arg Ser Ser Asn Asn Leu
 1 5 10 15

Gly Pro Val Leu Pro Pro Thr Asn Val Gly Ser Asn Thr Tyr
 20 25 30

<210> 336
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic

003060" 37522510

Peptide

<400> 336

Ser Gln Gly Thr Phe Thr Ser Glu Tyr Ser Lys Tyr Leu Asp Ser Arg
1 5 10 15

Arg Ala Gln Asp Phe Val Gln Trp Leu Met Asn Thr
20 25

<210> 337

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 337

His Gly Glu Gly Thr Ser Asp Leu Ser Lys Gln Met Glu Glu Ala Arg
1 5 10 15

Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser Ser Gly Ala Pro
20 25 30

Pro Pro Ser
35

<210> 338

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 338

His Ser Gln Gly Thr Phe Thr Ser Asp Tyr Ser Lys Tyr Leu Asp Ser
1 5 10 15

Arg Arg Ala Gln Asp Phe Val Gln Trp Leu Met Asn Thr
20 25

<210> 339

<211> 11
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 339

Ala Gln Asp Phe Val Gln Trp Leu Met Asn Thr
1 5 10

<210> 340

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 340

Phe Val Gln Trp Leu Met Asn Thr
1 5

<210> 341

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 341

Ser Gln Gly Thr Phe Thr Ser Glu Tyr Ser Lys Tyr Leu Asp Ser Arg
1 5 10 15

Arg Ala Gln Asp Phe Val Gln Trp Leu Met Asn Thr
20 25

<210> 342

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 342

His Asp Glu Phe Glu Arg His Ala Glu Gly Thr Phe Thr Ser Asp Val

1

5

10

15

Ser Ser Tyr Leu Glu Gly Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu

20

25

30

Val Lys Gly Arg

35

<210> 343

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 343

His Asp Glu Phe Glu Arg His Ala Glu Gly Thr Phe Thr Ser Asp Val

1

5

10

15

Ser Ser Tyr Leu Glu Gly Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu

20

25

30

Val Lys Gly Arg Gly

35

<210> 344

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 344

His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly

1

5

10

15

Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg
20 25 30

<210> 345
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 345
His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp Asn
1 5 10 15

Leu Ala Thr Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys Ile Thr
20 25 30

Asp

<210> 346
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 346
His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp Asn
1 5 10 15

Leu Ala Ala Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys Ile Thr
20 25 30

Asp Arg

<210> 347
<211> 37
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 347

His Ser Glu Gly Thr Phe Thr Ser Asp Tyr Ser Lys Tyr Leu Asp Ser
1 5 10 15

Arg Arg Ala Glu Asp Phe Val Glu Trp Leu Met Asn Thr Lys Arg Asn
20 25 30

Lys Asn Asn Ile Ala
35

<210> 348

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 348

His Ser Glu Gly Thr Phe Thr Ser Asp Tyr Ser Lys Tyr Leu Asp Ser
1 5 10 15

Arg Arg Ala Glu Asp Phe Val Glu Trp Leu Met Asn Thr Lys Arg Asn
20 25 30

Lys Asn Asn Ile Ala
35

<210> 349

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 349

His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu

1

5

10

15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
 20 25 30

Ser Gly Ala Pro Pro Pro Ser
 35

<210> 350

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 350

His Ala Asp Gly Thr Leu Thr Ser Asp Ile Ser Ser Phe Leu Glu Lys
 1 5 10 15

Gln Ala Thr Lys Glu Phe Ile Ala Trp Leu Val Ser Gly Arg Gly Arg
 20 25 30

Arg Gln

<210> 351

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 351

His Ser Gln Gly Thr Phe Thr Ser Asp Tyr Ser Lys Tyr Leu Asp Ser
 1 5 10 15

Lys Lys Ala Gln Glu Phe Val Gln Trp Leu Met Asn Thr
 20 25

<210> 352

<211> 39

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 352

His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
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<210> 353

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 353

His Ala Asp Gly Ser Phe Thr Ser Asp Ile Asn Lys Val Leu Asp Thr
1 5 10 15

Ile Ala Ala Lys Glu Phe Leu Asn Trp Leu Ile Ser Thr Lys Val Thr
20 25 30

Glu

<210> 354

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 354

His Asp Glu Phe Glu Arg His Ala Glu Gly Thr Phe Thr Ser Asp Val
1 5 10 15

Ser Ser Tyr Leu Glu Gly Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu
20 25 30

Val Lys Gly Arg
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<210> 355

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 355

His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
1 5 10 15

Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg
20 25 30

<210> 356

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 356

Ser Tyr Leu Glu Gly Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val
1 5 10 15

Xaa Gly Arg

<210> 357

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 357

Ser Asp Val Ser

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<210> 358

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 358

Thr Ser Asp Val Ser

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<210> 359

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 359

Phe Thr Ser Asp Val Ser

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<210> 360

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 360

Thr Phe Thr Ser Asp Val Ser
1 5

<210> 361

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 361

Gly Thr Phe Thr Ser Asp Val Ser
1 5

<210> 362

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 362

Glu Gly Thr Phe Thr Ser Asp Val Ser
1 5

<210> 363

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 363

Ala Glu Gly Thr Phe Thr Ser Asp Val Ser
1 5 10

<210> 364

<211> 39

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 364

His Ser Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 365

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 365

His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 366

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 366

His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1 5 10 15

Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Tyr
 20 25 30

<210> 367
 <211> 31
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 367
 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Tyr
 20 25 30

<210> 368
 <211> 31
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 368
 Asp Leu Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Met Ile Glu
 1 5 10 15

Trp Leu Lys Asn Gly Gly Pro Ser Ser Gly Ala Pro Pro Pro Ser
 20 25 30

<210> 369
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic

00500-84922500

Peptide

<400> 369

His Asp Glu Phe Glu Arg His Ala Glu Gly Thr Phe Thr Ser Asp Val
1 5 10 15

Ser Ser Tyr Leu Glu Gly Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu
20 25 30

Val Lys Gly Arg Lys
35

<210> 370

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 370

His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
1 5 10 15

Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Lys
20 25 30

<210> 371

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 371

His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Lys
35 40

10^{-10} 10^{-9} 10^{-8} 10^{-7} 10^{-6} 10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8 10^9 10^{10}

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 374

His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Glu Met Glu Glu
1 5 10 15

Glu Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Tyr
20 25 30

<210> 375

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 375

His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Glu Met Glu Glu
1 5 10 15

Glu Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Tyr
20 25 30

<210> 376

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 376

Asp Leu Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu
1 5 10 15

Trp Leu Lys Gly Gly Pro Ser Ser Gly Pro Pro Pro Ser
20 25

<210> 377

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 377

Glu Ala Glu Asp Leu Gln Val Gly Gln Val Glu Leu Gly Gly Gly Pro
1 5 10 15
Gly Ala Gly Ser Leu Gln Pro Leu Ala Leu Glu Gly Ser Leu Gln
20 25 30

<210> 378

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 378

Tyr Glu Ala Glu Asp Leu Gln Val Gly Gln Val Glu Leu Gly Gly Gly
1 5 10 15
Pro Gly Ala Gly Ser Leu Gln Pro Leu Ala Leu Glu Gly Ser Leu Gln
20 25 30

<210> 379

<211> 51

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 379

Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln Leu
1 5 10 15
Glu Asn Tyr Cys Asn Phe Val Asn Gln His Leu Cys Gly Ser His Leu

20

25

30

Val Glu Ala Leu Tyr Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr
 35 40 45

Pro Lys Thr
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<210> 380

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 380

Asp Val Ser Thr Pro Pro Thr Val Leu Pro Asp Asn Phe Pro Arg Tyr
 1 5 10 15

<210> 381

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 381

Arg Asp Val Ser Thr Pro Pro Thr Val Leu Pro Asp Asn Phe Pro Arg
 1 5 10 15

Tyr Pro Val Gly Lys Phe Phe Gln Tyr Asp Thr Trp Lys Gln Ser Thr
 20 25 30

Gln Arg Leu
 35

<210> 382

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 382

Gly Leu Pro Ala Leu Leu Arg Ala Arg Arg Gly His Val Leu Ala Lys
1 5 10 15

Glu Leu Glu Ala Phe Arg Glu Ala
20

<210> 383

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 383

Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Leu Thr
20 25 30

Arg Pro Arg Tyr
35

<210> 384

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 384

Pro Asp Lys Asp Phe Ile Val Asn Pro Ser Asp Leu Val Leu Asp Asn
1 5 10 15

Lys Ala Ala Leu Arg Asp Tyr Leu Arg Gln Ile Asn Glu Tyr Phe Ala
20 25 30

Ile Ile Gly Arg Pro Arg Phe
35

<210> 385

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 385

Phe Met Arg

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<210> 386

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 386

Cys Trp Arg Tyr Cys Trp Arg Tyr

1

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<210> 387

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 387

Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp

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5

10

15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr

20

25

30

Arg Gln Arg Tyr
35

<210> 388
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 388
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu
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<210> 389
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 389
Ile Gly Pro Tyr Arg Leu Arg Tyr
1 5

<210> 390
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 390
Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp
1 5 10 15

Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val Thr
20 25 30

Arg His Arg Tyr
35

<210> 391
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 391
Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln
1 5 10 15

Met Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30

Arg Pro Arg Tyr
35

<210> 392
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 392
Leu Thr Arg Pro Arg Tyr
1 5

<210> 393
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 393

Leu Thr Arg Pro Arg Tyr

1

5

<210> 394

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 394

Ala Pro Ser Glu Pro His His Pro Gly Asp Gln Ala Thr Gln Asp Gln

1

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10

15

Leu Ala Gln Tyr Tyr Ser Asp Leu Tyr Gln Tyr Ile Thr Phe Val Thr

20

25

30

Arg Pro Arg Phe

35

<210> 395

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 395

Ala Pro Leu Glu Pro Met Tyr Pro Gly Asp Tyr Ala Thr His Glu Gln

1

5

10

15

Arg Ala Gln Tyr Glu Thr Gln Leu Arg Arg Tyr Ile Asn Thr Leu Thr

20

25

30

Arg Pro Arg Tyr

35

<210> 396

<211> 36
<212> PRT
<213> Artificial Sequence

<220>

\ <223> Description of Artificial Sequence: Synthetic
Peptide

<400> 396

Tyr Pro Pro Lys Pro Glu Asn Pro Gly Glu Asp Ala Pro Pro Glu Glu
1 5 10 15

Leu Ala Lys Tyr Tyr Thr Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 397

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 397

Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 398

<211> 34

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

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Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

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<210> 399
<211> 36
<212> PRT
<213> Artificial Sequence
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<400> 399
Tyr Pro Ala Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Arg Gln Arg Tyr
35

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<210> 400
<211> 36
<212> PRT
<213> Artificial Sequence
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<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 400
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Leu Thr
20 25 30

Arg Pro Arg Tyr

<210> 401
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 401
 Glu Gln Asp Tyr Thr Gly Trp Met Asp Phe
 1 5 10

<210> 402
 <211> 33
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 402
 Lys Ala Pro Ser Gly Arg Met Ser Ile Val Lys Asn Leu Gln Asn Leu
 1 5 10 15

Asp Pro Ser His Arg Ile Ser Asp Arg Asp Tyr Met Gly Trp Met Asp
 20 25 30

Phe

<210> 403
 <211> 4
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 403
 Asp Tyr Met Gly

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<220>
<223> Description of Artificial Sequence: Synthetic
      Peptide
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<210> 405
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<220>
<223> Description of Artificial Sequence: Synthetic Peptide

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<210> 406
<211> 7
<212> PRT
<213> Artificial Sequence
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<220>
<223> Description of Artificial Sequence: Synthetic Peptide

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<210> 407
<211> 4
<212> PRT
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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 407

Trp Met Asp Phe

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<210> 408

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 408

Lys Ala Pro Ser Gly Arg Val Ser Met Ile Lys Asn Leu Gln Ser Leu

1

5

10

15

Asp Pro Ser His Arg Ile Ser Asp Arg Asp Tyr Met Gly Trp Met Asp

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25

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Phe

<210> 409

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<210> 410

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 410

Ser Ala Glu Glu Tyr Glu Tyr Pro Ser

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<210> 411
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 411
Asp Tyr Met Gly Trp
1 5

<210> 412
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 412
Asp Tyr Met Gly Trp Met
1 5

<210> 413
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 413
Val Pro Val Glu Ala Val Asp Pro Met
1 5

<210> 414
<400> 414
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<210> 415
 <211> 8
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 415
 Asp Tyr Met Gly Trp Met Asp Phe
 1 5

<210> 416
 <211> 23
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 416
 Met Lys Val Ala Ile Ile Phe Leu Leu Ser Ala Leu Ala Leu Leu Asn
 1 5 10 15

 Leu Ala Gly Asn Thr Thr Ala
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<210> 417
 <211> 27
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 417
 Val Pro Leu Pro Ala Gly Gly Gly Thr Val Leu Thr Lys Met Tyr Pro
 1 5 10 15

 Arg Gly Asn His Trp Ala Val Gly His Leu Met
 20 25

<210> 418
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 418
Val Pro Leu Pro Ala Gly Gly Gly Thr Val Leu Thr Lys Met Tyr Pro
1 5 10 15

<210> 419
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 419
Ala Pro Val Ser Val Gly Gly Gly Thr Val Leu Ala Lys Met Tyr Pro
1 5 10 15

Arg Gly Asn His Trp Ala Val Gly His Leu Met
20 25

<210> 420
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 420
Met Tyr Pro Arg Gly Asn His Trp Ala Val Gly His Leu Met
1 5 10

<210> 421
<211> 36

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 421
Phe Leu Pro His Val Phe Ala Glu Leu Ser Asp Arg Lys Gly Phe Val
1 5 10 15

Gln Gly Asn Gly Ala Val Glu Ala Leu His Asp His Phe Tyr Pro Asp
20 25 30

Trp Met Asp Phe
35

<210> 422
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 422
Glu Gly Pro Trp Leu Glu Glu Glu Glu Glu Ala Tyr Gly Trp Met Asp
1 5 10 15

Phe

<210> 423
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 423
Glu Leu Gly Pro Gln Gly Pro Pro His Leu Val Ala Asp Pro Ser Lys
1 5 10 15

Lys Gln Gly Pro Trp Leu Glu Glu Glu Glu Glu Ala Tyr Gly Trp Met
20 25 30

Asp Phe

<210> 424

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 424

Glu Arg Pro Pro Met Glu Glu Glu Glu Glu Ala Tyr Gly Trp Met Asp
1 5 10 15

Phe

<210> 425

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 425

Ala Trp Met Asp Phe
1 5

<210> 426

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 426

Tyr Ala Glu Gly Thr Phe Ile Ser Asp Tyr Ser Ile Ala Met Asp Lys
 1 5 10 15

Ile His Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Lys Gly Lys
 20 25 30

Lys Asn Asp Trp Lys His Asn Ile Thr Gln
 35 40

<210> 427

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 427

Tyr Ala Glu Gly Thr Phe Ile Ser Asp Tyr Ser Ile Ala Met Asp Lys
 1 5 10 15

Ile Arg Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Lys Gly Lys
 20 25 30

Lys Ser Asp Trp Lys His Asn Ile Thr Gln
 35 40

<210> 428

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 428

Tyr Ala Glu Gly Thr Phe Ile Ser Asp Tyr Ser Ile Ala Met Asp Lys
 1 5 10 15

Ile Arg Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Lys
 20 25 30

<210> 429

<211> 30
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 429

Tyr Ala Glu Gly Thr Phe Ile Ser Asp Tyr Ser Ile Ala Met Asp Lys
1 5 10 15

Ile Arg Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Lys
20 25 30

<210> 430

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 430

Phe Val Pro Ile Phe Thr His Ser Glu Leu Gln Lys Ile Arg Glu Lys
1 5 10 15

Glu Arg Asn Lys Gly Gln
20

<210> 431

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 431

Phe Val Pro Ile Phe Thr Tyr Gly Glu Leu Gln Arg Met Gln Glu Lys
1 5 10 15

Glu Arg Asn Lys Gly Gln
20

<210> 432
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 432
Phe Val Pro Ile Phe Thr Tyr Gly Glu Leu Gln Arg Leu Gln Glu Lys
1 5 10 15
Glu Arg Asn Lys Gly Gln
20

<210> 433
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 433
Phe Val Pro Ile Phe Thr Tyr Gly Glu Leu Arg Leu Gln Glu Lys Glu
1 5 10 15
Arg Asn Lys Gly Gln
20

<210> 434
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 434
Ile Ala Arg Arg His Pro Tyr Phe Leu
1 5

<210> 435
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 435
His Ser Asp Gly Thr Phe Thr Ser Glu Leu Ser Arg Leu Arg Glu Ser
1 5 10 15

Ala Arg Leu Gln Arg Leu Leu Gln Gly Leu Val
20 25

<210> 436
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 436
His Ser Asp Gly Leu Phe Thr Ser Glu Tyr Ser Lys Met Arg Gly Asn
1 5 10 15

Ala Gln Val Gln Lys Phe Ile Gln Asn Leu Met
20 25

<210> 437
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 437
His Ser Asp Gly Thr Phe Thr Ser Glu Leu Ser Arg Leu Arg Glu Gly
1 5 10 15

Ala Arg Leu Gln Arg Leu Leu Gln Gly Leu Val
20 25

<210> 438

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 438

His Ser Asp Gly Thr Phe Thr Ser Glu Leu Ser Arg Leu Arg Asp Ser
1 5 10 15

Ala Arg Leu Gln Arg Leu Leu Gln Gly Leu Val
20 25

<210> 439

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 439

His Ser Asp Gly Thr Phe Thr Ser Glu Leu Ser Arg Leu Gln Asp Ser
1 5 10 15

Ala Arg Leu Gln Arg Leu Leu Gln Gly Leu Val
20 25

<210> 440

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 440

Ser Asp Gly Thr Phe Thr Ser Glu Leu Ser Arg Leu Arg Asp Ser Ala
1 5 10 15

Arg Leu Gln Arg Leu Leu Gly Gly Leu Val
20 25

<210> 441

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 441

Ala Ala Met Leu Ala Ser Gln Thr Glu Ala Phe Val Pro Ile Phe Thr
1 5 10 15

Tyr Gly Glu Leu Gln Arg Met Gln Glu Lys Glu Arg Asn Lys Gly Gln
20 25 30

<210> 442

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 442

His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Arg Gln
1 5 10 15

Leu Ala Val Arg Arg Tyr Leu Asn Ser Ile Leu Asn
20 25

<210> 443

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 443

His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Arg Gln
1 5 10 15

Leu Ala Val Arg Arg Tyr Leu Asn Ser Ile Leu Asn Gly Lys Arg
20 25 30

<210> 444

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 444

Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn
1 5 10

<210> 445

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 445

His Ala Asp Gly Val Phe Thr Ser Asp Phe Ser Arg Leu Leu Gly Gln
1 5 10 15

Leu Ser Ala Lys Lys Tyr Leu Glu Ser Leu Ile
20 25

<210> 446

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 446

His Ala Asp Gly Val Phe Thr Ser Asp Tyr Ser Arg Leu Leu Gly Gln
1 5 10 15

Ile Ser Ala Lys Lys Tyr Leu Glu Ser Leu Ile
20 25

<210> 447

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 447

His Ala Asp Gly Val Phe Thr Ser Asp Phe Ser Lys Leu Leu Gly Gln
1 5 10 15

Leu Ser Ala Lys Lys Tyr Leu Glu Ser Leu Met
20 25

<210> 448

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 448

His Ala Asp Gly Val Phe Thr Ser Asp Phe Ser Lys Leu Leu Gly Gln
1 5 10 15

Leu Ser Ala Lys Lys Tyr Leu Glu Ser Leu Met Gly Lys Arg Val Ser
20 25 30

Ser Asn Ile Ser Glu Asp Pro Val Pro Val

<210> 449
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 449
 Val Ser Ser Asn Ile Ser Glu Asp Pro Val Pro Val
 1 5 10

<210> 450
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 450
 Ser Ser Glu Gly Glu Ser Pro Asp Phe Pro Glu Glu Leu Glu Lys
 1 5 10 15

<210> 451
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 451
 Cys Ser Cys Asn Ser Trp Leu Asp Lys Glu Cys Val Tyr Phe Cys His
 1 5 10 15

Leu Asp Ile Ile Trp
 20

<210> 452
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 452
His Ser Asp Ala Val Phe Thr Asp Asn Tyr Ser Arg Phe Arg Lys Gln
1 5 10 15

Met Ala Val Lys Lys Tyr Leu Asn Ser Val Leu Thr
20 25

<210> 453
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 453
His Ser Asp Ala Leu Phe Thr Asp Thr Tyr Thr Arg Leu Arg Lys Gln
1 5 10 15

Met Ala Met Lys Lys Tyr Leu Asn Ser Val Leu Asn
20 25

<210> 454
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 454
His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
1 5 10 15

Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn

<210> 455
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 455
 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
 1 5 10 15
 Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn
 20 25

<210> 456
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 456
 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg
 1 5 10

<210> 457
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 457
 Tyr Thr Arg Leu Arg Lys Gln Met Ala Val Lys Lys Tyr Leu Asn Ser
 1 5 10 15
 Ile Leu Asn

005000-3432260

P **E** **R** **F** **O** **R** **M** **A** **N** **I** **S**

P **E** **R** **F** **O** **R** **M** **A** **N** **I** **S**

[illegible][illegible][illegible][illegible]

Productivity of the *E. coli* strains was determined by measuring the optical density at 600 nm (OD_{600}) of cultures grown in LB medium supplemented with 0.1% glucose. The OD_{600} values were measured after 8 h of growth in triplicate. The mean \pm SD was calculated.

P **E** **R** **F** **A** **C** **T** **I** **O** **N**

[illegible][illegible]

P **E** **R** **F** **A** **C** **T** **I** **O** **N**

1

5

10

15

Tyr Leu Asn Ser Ile Leu Asn

20

<210> 461

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 461

Lys Pro Arg Arg Pro Tyr Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln

1

5

10

15

Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn

20

25

<210> 462

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 462

Tyr Phe Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln

1

5

10

15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg

20

25

<210> 463

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

[illegible]

Leu Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn
20 25

<211> 8

<212> PRT

<213> Artificial Sequence

<223> Description of Artificial Sequence: Synthetic Peptide

Leu Met Tyr Pro Thr Tyr Leu Lys
1 5

<211> 29

<212> PRT

<213> Artificial Sequence

<223> Description of Artificial Sequence: Synthetic Peptide

Met Met Arg Asp Ser Gly Cys Phe Gly Arg Arg Ile Asp Arg Ile Gly
1 5 10 15

Ser Leu Ser Gly Met Gly Cys Asn Gly Ser Arg Lys Asn
20 25

<211> 15

<212> PRT

<213> Artificial Sequence

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 466

Gly Phe Ile Trp Gly Asn Ile Phe Gly His Tyr Ser Gly Asp Phe
1 5 10 15

<210> 467

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 467

Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg
1 5 10

<210> 468

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 468

Ser Ser Asp Cys Phe Gly Ser Arg Ile Asp Arg Ile Gly Ala Gln Ser
1 5 10 15

Gly Met Gly Cys Gly Arg Arg Phe
20

<210> 469

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 469

Cys Phe Gly Ser Arg Ile Asp Arg Ile Gly Ala Gln Ser Gly Met Gly

1 5 10 15

Cys Gly Arg Phe
20

<210> 470
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 470
Cys Phe Gly Ser Arg Ile Asp Arg Ile Gly Ala Gln Ser Gly Met Gly
1 5 10 15

Cys Gly Arg Arg Phe
20

<210> 471
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 471
Ser Ser Asp Cys Phe Gly Ser Arg Ile Asp Arg Ile Gly Ala Gln Ser
1 5 10 15

Gly Met Gly Cys Gly Arg Arg Phe
20

<210> 472
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 472

Ala Pro Arg Ser Met Arg Arg Ser Ser Asp Cys Phe Gly Ser Arg Ile
1 5 10 15

Asp Arg Ile Gly Ala Gln Ser Gly Met Gly Cys Gly Arg Phe
20 25 30

<210> 473

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 473

Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly Ala Gln Ser Gly
1 5 10 15

Leu Gly Cys Asn Ser Phe Arg Tyr
20

<210> 474

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 474

Cys Phe Gly Gly Arg Met Asp Arg Ile Gly Ala Gln Ser Gly Leu Gly
1 5 10 15

Cys

<210> 475

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 475

Cys Phe Gly Gly Arg Met Asp Arg Ile Gly Ala Gln Ser Gly Leu Gly
1 5 10 15

Cys Asn Ser Phe Arg Tyr
20

<210> 476

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 476

Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly
1 5 10 15

Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
20 25

<210> 477

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 477

Arg Cys Gly Gly Arg Ile Asp Arg Ile Arg Cys
1 5 10

<210> 478

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 478

Arg Arg Ser Ser Cys Phe Gly Gly Arg Ile Asp Arg Ile Gly Ala Gln
1 5 10 15

Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
20 25

<210> 479

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 479

Arg Arg Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly Ala Gln
1 5 10 15

Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
20 25

<210> 480

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 480

Arg Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly Ala Gln Ser
1 5 10 15

Gly Leu Gly Cys Asn Ser Phe Arg Tyr
20 25

<210> 481

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 481

Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly Ala Gln Ser Gly
1 5 10 15

Leu Gly Cys Asn Ser Phe Arg
20

<210> 482

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 482

Ser Lys Ser Ser Ser Pro Cys Phe Gly Gly Lys Leu Asp Arg Ile Gly
1 5 10 15

Ser Tyr Ser Gly Leu Gly Cys Asn Ser Arg Lys
20 25

<210> 483

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 483

Ser Ser Cys Phe Gly Gly Arg Ile Asp Arg Ile Gly Ala Gln Ser Gly
1 5 10 15

Leu Gly Cys Asn Ser
20

<210> 484
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 484
Ser Ser Cys Phe Gly Gly Arg Ile Asp Arg Ile Gly Ala Gln Ser Gly
1 5 10 15

Leu Gly Cys Asn Ser Phe Arg
20

<210> 485
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 485
Ser Ser Cys Phe Gly Gly Arg Ile Asp Arg Ile Gly Ala Gln Ser Gly
1 5 10 15

Leu Gly Cys Asn Ser Phe Arg Tyr
20

<210> 486
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 486
Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Ile Asp Arg Ile Gly
1 5 10 15

Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
20 25

<210> 487
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 487
Arg Ser Ser Cys Phe Gly Gly Arg Ile Asp Arg Ile Gly Ala Gln Ser
1 5 10 15

Gly Leu Gly Cys Asn Ser Phe Arg
20

<210> 488
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 488
Arg Ser Ser Cys Phe Gly Gly Arg Ile Asp Arg Ile Gly Ala Gln Ser
1 5 10 15

Gly Leu Gly Cys Asn Ser Phe Arg Tyr
20 25

<210> 489
<211> 56
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 489

Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly
 1 5 10 15

Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr Ser Leu Arg Arg
 20 25 30

Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly Ala Gln Ser Gly
 35 40 45

Leu Gly Cys Asn Ser Phe Arg Tyr
 50 55

<210> 490

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 490

Ala Gly Pro Arg Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Ile
 1 5 10 15

Asp Arg Ile Gly Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
 20 25 30

<210> 491

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 491

Ser Lys Ser Ser Ser Pro Cys Phe Gly Gly Lys Leu Asp Arg Ile Gly
 1 5 10 15

Ser Tyr Ser Gly Leu Gly Cys Asn Ser Arg Lys
 20 25

<210> 492
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 492
Asn Pro Met Tyr Asn Ala Val Ser Asn Ala Asp Leu Met Asp Phe Lys
1 5 10 15

<210> 493
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 493
Arg Ser Ser Cys Phe Gly Gly Arg Ile Asp Arg Ile Gly Ala Cys
1 5 10 15

<210> 494
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 494
Ser Phe Gly Gly Arg Ile Asp Arg Ile Gly Ala Gln Ser Gly Leu Gly
1 5 10 15

Asn Ser Phe Arg Tyr
20

<210> 495

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Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
20 25

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

Asn Ser Phe Arg Tyr
20

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 497
Ser Ser Asp Arg Ser Ala Leu Leu Lys Ser Lys Leu Arg
1 5 10

<210> 498

<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 498
Asn Pro Met Tyr Asn Ala Val Ser Asn Ala Asp Leu Met Asp Phe Lys
1 5 10 15

Asn Leu Leu Asp His Leu Glu Glu Lys Met Pro Leu Glu Asp
20 25 30

<210> 499
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 499
Glu Val Val Pro Pro Gln Val Leu Ser Glu Pro Asn Glu Glu Ala Gly
1 5 10 15

Ala Ala Leu Ser Pro Leu Pro Glu Val Pro Pro Trp Thr Gly Glu Val
20 25 30

Ser Pro Ala Gln Arg
35

<210> 500
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 500
Ser Ser Asp Arg Ser Ala Leu Leu Lys Ser Lys Leu Arg Ala Leu Leu
1 5 10 15

Thr Ala Pro Arg
20

<210> 501
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 501
Ser Lys Ser Ser Ser Pro Cys Phe Gly Gly Lys Leu Asp Arg Ile Gly
1 5 10 15

Ser Tyr Ser Gly Leu Gly Cys Asn Ser Arg Lys
20 25

<210> 502
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 502
Tyr Ser Ser Cys Phe Gly Gly Arg Ile Asp Arg Ile Gly Ala Gln Ser
1 5 10 15

Gly Leu Gly Cys Asn Ser Phe Arg
20

<210> 503
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 503

Tyr Ser Ser Asp Arg Ser Ala Leu Leu Lys Ser Lys Leu Arg Ala Leu
1 5 10 15

Leu Thr Ala Pro Arg
20

<210> 504

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 504

Thr Ala Pro Arg Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Met
1 5 10 15

Asp Arg Ile Gly Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
20 25 30

<210> 505

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 505

Tyr Ser Ser Cys Phe Gly Gly Arg Ile Asp Arg Ile Gly Ala Gln Ser
1 5 10 15

Gly Leu Gly Cys Asn Ser Phe Arg
20

<210> 506

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 506

Ser Phe Asn Ser Cys Phe Gly Asn Arg Ile Glu Arg Ile Gly Ser Trp
1 5 10 15

Ser Gly Leu Gly Cys Asn Asn Val Lys Thr Gly Asn Lys Lys Arg Ile
20 25 30

Phe Gly Asn
35

<210> 507

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 507

Ser Pro Lys Met Met His Lys Ser Gly Cys Phe Gly Arg Arg Leu Asp
1 5 10 15

Arg Ile Gly Ser Leu Ser Gly Leu Gly Cys Asn Val Leu Arg Lys Tyr
20 25 30

<210> 508

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 508

Gly Trp Asn Arg Gly Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ser

1

5

10

15

Leu Ser Gly Leu Gly Cys
20

<210> 509

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 509

Ser Pro Lys Met Val Gln Gly Ser Gly Cys Phe Gly Arg Lys Met Asp
1 5 10 15

Arg Ile Ser Ser Ser Ser Gly Leu Gly Cys Lys Val Leu Arg Arg His
20 25 30

<210> 510

<211> 45

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 510

Ser Gln Gly Ser Thr Leu Arg Val Gln Gln Arg Pro Gln Asn Ser Lys
1 5 10 15

Val Thr His Ile Ser Ser Cys Phe Gly His Lys Ile Asp Arg Ile Gly
20 25 30

Ser Val Ser Arg Leu Gly Cys Asn Ala Leu Lys Leu Leu
35 40 45

<210> 511

<211> 26

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 511

Asp Ser Gly Cys Phe Gly Arg Arg Leu Asp Arg Ile Gly Ser Leu Ser
1 5 10 15

Gly Leu Gly Cys Asn Val Leu Arg Arg Tyr
20 25

<210> 512

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 512

Ser Pro Lys Thr Met Arg Asp Ser Gly Cys Phe Gly Arg Arg Leu Asp
1 5 10 15

Arg Ile Gly Ser Leu Ser Gly Leu Gly Cys Asn Val Leu Arg Arg Tyr
20 25 30

<210> 513

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 513

Asn Ser Lys Met Ala His Ser Ser Ser Cys Phe Gly Gln Lys Ile Asp
1 5 10 15

Arg Ile Gly Ala Val Ser Arg Leu Gly Cys Asp Gly Leu Arg Leu Phe
20 25 30

<210> 514

<211> 45

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 514

Ser Gln Asp Ser Ala Phe Arg Ile Gln Glu Arg Leu Arg Asn Ser Lys
1 5 10 15

Met Ala His Ser Ser Ser Cys Phe Gly Gln Lys Ile Asp Arg Ile Gly
20 25 30

Ala Val Ser Arg Leu Gly Cys Asp Gly Leu Arg Leu Phe
35 40 45

<210> 515

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 515

Tyr Ser Pro Lys Met Val Gln Gly Ser Gly Cys Phe Gly Arg Lys Met
1 5 10 15

Asp Arg Leu Ser Ser Ser Ser Gly Leu Gly Cys Lys Val Leu Arg Arg
20 25 30

His

<210> 516

<211> 32
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 516

Ser Pro Lys Met Val Gln Gly Ser Gly Cys Phe Gly Arg Lys Met Asp
1 5 10 15

Arg Ile Ser Ser Ser Ser Gly Leu Gly Cys Lys Val Leu Arg Arg His
20 25 30

<210> 517

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 517

Gly Leu Ser Lys Gly Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ser
1 5 10 15

Met Ser Gly Leu Gly Cys
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<210> 518

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 518

Gly Leu Ser Arg Ser Cys Phe Gly Val Lys Leu Asp Arg Ile Gly Ser
1 5 10 15

Met Ser Gly Leu Gly Cys
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<210> 519
<211> 53
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 519
Asp Leu Arg Val Asp Thr Lys Ser Arg Ala Ala Trp Ala Arg Leu Leu
1 5 10 15

Gln Glu His Pro Asn Ala Arg Lys Tyr Lys Gly Ala Asn Lys Lys Gly
20 25 30

Leu Ser Lys Gly Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ser Met
35 40 45

Ser Gly Leu Gly Cys
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<210> 520
<211> 53
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<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 520
Asp Leu Arg Val Asp Thr Lys Ser Arg Ala Ala Trp Ala Arg Leu Leu
1 5 10 15

His Glu His Pro Asn Ala Arg Lys Tyr Lys Gly Gly Asn Lys Lys Gly
20 25 30

Leu Ser Lys Gly Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ser Met
35 40 45

Ser Gly Leu Gly Cys

<210> 521

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 521

Lys	Pro	Gly	Thr	Pro	Pro	Lys	Val	Pro	Arg	Thr	Pro	Pro	Gly	Glu	Glu
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Leu	Ala	Glu	Pro	Gln	Ala	Ala	Gly	Gly	Asn	Gln
			20				25			

<210> 522

<211> 21

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 522

Gly	Asp	Lys	Thr	Pro	Gly	Gly	Gly	Gly	Ala	Asn	Leu	Lys	Gly	Asp	Arg
1				5				10					15		

Ser	Arg	Leu	Leu	Arg
			20	

<210> 523

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 523

Gly	Leu	Ser	Lys	Gly	Cys	Phe	Gly	Leu	Lys	Leu	Asp	Arg	Ile	Gly	Ser
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1

5

10

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Met Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
20 25

<210> 524

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 524

Tyr Gly Leu Ser Lys Gly Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly
1 5 10 15

Ser Met Ser Gly Leu Gly Cys
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<210> 525

<211> 7

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 525

Asp Ala Phe Val Ala Leu Met
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<210> 526

<211> 7

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 526

Asp Ala Phe Val Ala Leu Met

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<210> 527

<211> 11

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 527

Glu Pro Ser Lys Asp Ala Phe Ile Gly Leu Met
1 5 10

<210> 528

<211> 9

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 528

Gly Pro Ser Gly Phe Tyr Gly Val Arg
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<210> 529

<211> 10

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 529

Ala Pro Leu Ser Gly Phe Tyr Gly Val Arg
1 5 10

<210> 530

<211> 7

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 530

Asp Ser Phe Val Gly Leu Met
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<210> 531

<211> 10

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 531

His Lys Thr Asp Ser Phe Val Gly Leu Met
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<210> 532

<211> 10

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 532

His Lys Ile Asn Ser Phe Val Gly Leu Met
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<210> 533

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 533
Tyr His Lys Thr Asp Ser Phe Val Gly Leu Met
1 5 10

<210> 534
<211> 10
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 534
His Lys Thr Asp Ser Tyr Val Gly Leu Met
1 5 10

<210> 535
<211> 7
<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 535
Lys Asp Ser Phe Val Gly Met
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<210> 536
<211> 6
<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 536
Arg Ala Trp Phe Pro Pro
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<210> 537

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<211> 6
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<223> Description of Artificial Sequence: Synthetic
Peptide

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Ala Ala Trp Phe Pro Pro
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<210> 538

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 538

Ala Ala Trp Phe Pro Pro
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<210> 539

<211> 7

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

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Asp Ser Phe Val Ala Leu Met
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<210> 540

<211> 6

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic

Peptide

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Asp Ser Phe Val Gly Leu

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<210> 541

<211> 7

<212> PRT

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Peptide

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Asp Ser Phe Trp Ala Leu Met

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<210> 542

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<223> Description of Artificial Sequence: Synthetic
Peptide

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Asp Tyr Trp Val Trp Trp Arg

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<210> 543

<211> 7

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

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Asp Tyr Trp Val Trp Trp Lys

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<210> 544
 <211> 10
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

 <400> 544
 Asp Met His Asp Phe Phe Val Gly Leu Met
 1 5 10

<210> 545
 <211> 9
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

 <400> 545
 Asp Met His Asp Phe Phe Gly Leu Met
 1 5

<210> 546
 <211> 10
 <212> PRT
 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: Synthetic
 Peptide

 <400> 546
 Asp Met His Asp Phe Phe Pro Gly Leu Met
 1 5 10

<210> 547
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 <213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 547
Tyr Asp Met His Asp Phe Phe Val Gly Leu Met
1 5 10

<210> 548
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 548
Asp Pro His Asp Phe Trp Val Trp Leu
1 5

<210> 549
<211> 10
<212> PRT
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<220>
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Peptide

<400> 549
Gly Asn Leu Trp Ala Thr Gly His Phe Met
1 5 10

<210> 550
<211> 30
<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 550
Leu Ser Trp Asp Leu Pro Glu Pro Arg Ser Arg Ala Gly Lys Ile Arg

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Val His Pro Arg Gly Asn Leu Trp Ala Thr Gly His Phe Met
20 25 30

<210> 551

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 551

Ala Pro Leu Ser Trp Asp Leu Pro Glu Pro Arg Ser Arg Ala Gly Lys
1 5 10 15

Ile Arg Val His Pro Arg Gly Asn Leu Trp Ala Thr Gly His Phe Met
20 25 30

<210> 552

<211> 5

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 552

Cys Tyr Trp Val Cys
1 5

<210> 553

<211> 10

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

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<210> 557
 <211> 23
 <212> PRT
 <213> Artificial Sequence

<220>
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 Peptide

<400> 557
 Tyr Lys Val Asn Glu Tyr Gln Gly Pro Val Ala Pro Ser Gly Gly Phe
 1 5 10 15

Phe Leu Phe Arg Pro Arg Asn
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<210> 558
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
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 Peptide

<400> 558
 Asp Ala Gly His Gly Gln Ile Ser His Lys Arg His Lys Thr Asp Ser
 1 5 10 15

Phe Val Gly Leu Met
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<210> 559
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 559
 Pro Asn Pro Asp Glu Phe Val Gly Leu Met

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<210> 560

<211> 9

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 560

Glu Leu Trp Ala Val Gly Ser Phe Met

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<210> 561

<211> 9

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 561

Glu Leu Trp Ala Val Gly Ser Leu Met

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<210> 562

<211> 11

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 562

Glu Ala Asp Pro Asn Lys Phe Tyr Gly Leu Met

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<211> 8

<212> PRT

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 563

Glu Ala Asp Pro Asn Lys Phe Tyr
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<211> 18

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 564

Ser Pro Ser Asn Ser Lys Cys Pro Asp Gly Pro Asp Cys Phe Val Gly
1 5 10 15

Leu Met

<210> 565

<211> 5

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 565

Asp Phe Gly Leu Met
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<210> 566

<211> 6

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 566

Asp Asp Phe Gly Leu Met
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<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 567

Gly Ser His Trp Ala Val Gly His Leu Met
1 5 10

<210> 568

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 568

Gly Lys Arg Asp Ala Asp Ser Ser Ile Glu Lys Gln Val Ala Leu Leu
1 5 10 15

Lys Ala Leu Tyr Gly His Gly
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<210> 569

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 569

Ala Leu Asn Ser Val Ala Tyr Glu Arg Ser Ala Met Gln Asn Tyr Glu
1 5 10 15

Arg Arg Arg

<210> 570

<211> 17

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 570

Lys Trp Cys Phe Arg Val Cys Tyr Arg Gly Ile Cys Tyr Arg Arg Cys
1 5 10 15

Arg

<210> 571

<211> 8

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 571

Glu Gly Lys Arg Pro Trp Ile Leu
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<210> 572

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 572

Met Leu Thr Lys Phe Glu Thr Lys Ser Ala Arg Val Lys Gly Leu Ser
1 5 10 15

Phe His Pro Lys Arg Pro Trp Ile Leu
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<210> 573

<211> 10

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 573

Asp Met His Asp Phe Phe Val Gly Leu Met
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<210> 574

<211> 10

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 574

His Lys Thr Asp Ser Phe Val Gly Leu Met
1 5 10

<210> 575

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 575

Asp Ala Asp Ser Ser Ile Glu Lys Gln Val Ala Leu Leu Lys Ala Leu
1 5 10 15

Tyr Gly His Gly Gln Ile Ser His

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<210> 576

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 576

Glu Gln Trp Phe Trp Trp Met

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<210> 577

<211> 5

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

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Arg Phe Phe Leu Met

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<210> 578

<211> 11

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 578

Arg Pro Arg Pro Gln Gln Phe Phe Gly Leu Met

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<210> 579

<211> 6
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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 579

Arg Trp Phe Trp Leu Met
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<210> 580

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<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

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Trp Met
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<210> 581

<211> 5

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<213> Artificial Sequence

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Peptide

<400> 581

Arg Phe Phe Leu Met
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<210> 582

<211> 6

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 582

Arg Trp Phe Trp Leu Met

1

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<210> 583

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 583

Ala Gln Gln Phe Phe Gly Leu Met

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<210> 584

<211> 6

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 584

Tyr Phe Phe His Leu Met

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<210> 585

<211> 11

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 585

Arg Pro Lys Pro Gln Gln Phe Tyr Gly Leu Met

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<210> 586
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Peptide

<400> 586
Arg Pro Lys Pro Gln Gln Phe Phe Leu Met
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<210> 587
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<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 587
Arg Pro Lys Pro Gln Gln Phe Phe His Leu Met
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<210> 588
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Peptide

<400> 588
Arg Pro Lys Pro Gln Gln Phe Phe Trp Leu Met
1 5 10

<210> 589
<211> 11
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Peptide

<400> 589

Arg Pro Lys Pro Gln Gln Trp Phe Trp Leu Met
1 5 10

<210> 590

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 590

Arg Pro Lys Pro Phe Gln Trp Phe Trp Leu Leu
1 5 10

<210> 591

<211> 11

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 591

Arg Pro Lys Pro Gln Gln Phe Phe Pro Leu Met
1 5 10

<210> 592

<211> 8

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 592

Pro Gln Gln Phe Phe Gly Leu Met

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<210> 593

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 593

Gln Phe Phe Leu Met

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<210> 594

<211> 5

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 594

Gln Phe Phe Leu Met

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<210> 595

<211> 6

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 595

Gln Phe Phe Gly Leu Met

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<210> 596

<211> 7

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 596

Gln Gln Phe Phe Gly Leu Met

1

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<210> 597

<211> 6

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 597

Gln Phe Phe Gly Leu Met

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<210> 598

<211> 10

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 598

Arg Pro Lys Pro Gln Gln Phe Phe Leu Met

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<210> 599

<211> 10

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 599

Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu

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<210> 600

<211> 8

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 600

Pro Gln Gln Phe Phe Gly Leu Met

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<210> 601

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 601

Glu Phe Phe Gly Leu Met

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<210> 602

<211> 6

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 602

Glu Phe Phe Pro Leu Met

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<210> 603

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Phe Phe Gly Leu Met
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<223> Description of Artificial Sequence: Synthetic Peptide

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Arg Pro Lys Pro Gln Gln Phe Phe Pro Leu Met
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<210> 606

<211> 5

<212> PRT

<213> Artificial Sequence

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<213> Artificial Sequence

<223> Description of Artificial Sequence: Synthetic Peptide

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Peptide

<400> 610
Arg Pro Lys Pro Gln Gln Trp Phe Trp Leu Leu
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<210> 611
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<212> PRT
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Peptide

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Lys Pro Pro Phe Asn Trp Phe Trp Leu
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<210> 612
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<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 612
Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met
1 5 10

<210> 613
<211> 11
<212> PRT
<213> Artificial Sequence

DO NOT WRITE IN THESE SPACES

<400> 613

<210> 614

<211> 11

<212> PRT

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 614

<210> 615

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Gln Trp Phe
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<210> 616

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<212> PRT

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Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys Arg

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<400> 617

Arg Pro Lys Pro

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<210> 618

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<223> Description of Artificial Sequence: Synthetic
Peptide

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Arg Pro Lys Pro Gln Gln

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<210> 619

<211> 7

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 619

Arg Pro Lys Pro Gln Gln Phe

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<210> 620

<211> 9

<212> PRT

<213> Artificial Sequence

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<210> 621

<211> 10

<212> PRT

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 621

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<210> 622

<211> 9

<212> PRT

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 622

Lys Pro Gln Gln Phe Phe Gly Leu Met

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<210> 623

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 623
Phe Gly Leu Met
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<210> 624
<211> 3
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 624
Gly Leu Met
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<210> 625
<211> 11
<212> PRT
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Peptide

<400> 625
Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met
1 5 10

<210> 626
<211> 11
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Peptide

<400> 626
Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met
1 5 10

<210> 627

<211> 10
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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 627

Arg Pro Lys Pro Gln Gln Phe Tyr Gly Leu
1 5 10

<210> 628

<211> 7

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 628

Asp Arg Val Tyr Ile His Ala
1 5

<210> 629

<211> 11

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 629

Ala Pro Gly Asp Arg Ile Tyr Val His Pro Phe
1 5 10

<210> 630

<211> 7

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 630

Gly Val Tyr Val His Pro Val

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<210> 631

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 631

Glu Asn Gly Leu Pro Val His Leu Asp Gln Ser Ile Phe Arg Arg

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<210> 632

<211> 15

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

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Glu Asn Gly Leu Pro Val His Leu Asp Gln Ser Ile Phe Arg Arg

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<210> 633

<211> 10

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 633

Gly Leu Pro Pro Arg Pro Lys Ile Pro Pro

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<210> 634
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Peptide

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Gly Leu Pro Pro Gly Pro Pro Ile Pro Pro
1 5 10

<210> 635
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Peptide

<400> 635
Arg Pro Gly Phe Ser Pro Phe Arg
1 5

<210> 636
<211> 8
<212> PRT
<213> Artificial Sequence

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Peptide

<400> 636
Arg Pro Gly Phe Ser Pro Phe Arg
1 5

<210> 637
<211> 10
<212> PRT
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026 **027** **028** **029** **030**

<400> 637

<210> 638

<212> PRT

<213> Artificial Sequence

<223> Description of Artificial Sequence: Synthetic Peptide

Gly Gly Gly
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<211> 7

<212> PRT

<213> Artificial Sequence

<223> Description of Artificial Sequence: Synthetic Peptide

Asp Arg Val Tyr Ile His Pro
1 5

<211> 7

<212> PRT .

<213> Artificial Sequence

<223> Description of Artificial Sequence: Synthetic Peptide

Cys Tyr Trp Lys Val Cys Thr

1

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<210> 641

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 641

Asp Arg Val Tyr Ile His Pro Phe

1

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<210> 642

<211> 8

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

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Glu Gly Val Tyr Val His Pro Val

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<210> 643

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 643

Asp Arg Val Tyr

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<210> 644

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

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Val Tyr Ile His Pro Phe
1 5

<210> 645

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 645

Tyr Ile His Pro Phe
1 5

<210> 646

<211> 4

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 646

Ile His Pro Phe
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<210> 647

<211> 7

<212> PRT

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<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 647
Arg Val Tyr Ile His Pro Phe
1 5

<210> 648
<211> 7
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 648
Arg Val Tyr Ile His Pro Ile
1 5

<210> 649
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
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Peptide

<400> 649
Pro Thr His Ile Lys Trp Gly Asp
1 5

<210> 650
<211> 9
<212> PRT
<213> Artificial Sequence

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Peptide

<400> 650
Glu Trp Pro Arg Pro Gln Ile Pro Pro
1 5

<210> 651

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<211> 10
<212> PRT
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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 651

Asn Arg Val Tyr Val His Pro Phe His Leu
1 5 10

<210> 652

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 652

Asn Arg Val Tyr Val His Pro Phe Asn Leu
1 5 10

<210> 653

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 653

Asn Arg Val Tyr Val His Pro Phe Gly Leu
1 5 10

<210> 654

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 654

Asn Arg Val Tyr Val His Pro

1

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<210> 655

<211> 8

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 655

Asn Arg Val Tyr Val His Pro Phe

1

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<210> 656

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 656

Arg Val Tyr Ile His Pro Phe His Leu

1

5

<210> 657

<211> 6

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 657

Tyr Lys Arg His Pro Ile

1

5

<210> 658

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 658

Asp Arg Val Tyr Ile Phe Pro Phe

1

5

<210> 659

<211> 13

<212> PRT

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 659

Asp Arg Val Tyr Ile His Pro Phe His Leu Val Ile His

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5

10

<210> 660

<211> 14

<212> PRT

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<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 660

Asp Arg Val Tyr Ile His Pro Phe His Leu Val Ile His Asn

1

5

10

<210> 661

<211> 14

<212> PRT

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 661

Asp Arg Val Tyr Ile His Pro Phe His Leu Leu Val Tyr Ser
1 5 10

<210> 662

<211> 7

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 662

Arg Val Tyr Ile His Pro Phe
1 5

<210> 663

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 663

Arg Val Tyr Ile His Pro
1 5

<210> 664

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 664

Arg Val Tyr Ile His Pro Ala

1

5

<210> 665

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 665

Arg Val Tyr Ile His Pro Ile

1

5

<210> 666

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 666

Arg Val Tyr Ile His Pro Thr

1

5

<210> 667

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 667

Arg Val Tyr Ile His Pro Phe

1

5

<210> 668

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 668

Arg Val Tyr Val His Pro Ala

1

5

<210> 669

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 669

Val Tyr Ile His Pro Ile

1

5

<210> 670

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 670

Asp Arg Val Tyr Ile His Pro Phe His Leu Val Ile His Ser

1

5

10

<210> 671

<211> 7

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 671
Arg Val Tyr Val His Pro Phe
1 5

<210> 672
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 672
Asp Arg Val Tyr Val His Pro Phe
1 5

<210> 673
<211> 8
<212> PRT
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<220>
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Peptide

<400> 673
Asp Arg Val Tyr Val His Pro Phe
1 5

<210> 674
<211> 10
<212> PRT
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<220>
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Peptide

<400> 674
Asp Arg Val Tyr Val His Pro Phe His Leu
1 5 10

<210> 675

<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 675

Asp Arg Val Tyr Val His Pro Phe Asn Leu
1 5 10

<210> 676

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 676

Asp Arg Val Tyr Val His Pro Phe Ser Leu
1 5 10

<210> 677

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 677

Asp Arg Val Tyr Val His Pro Phe His Leu
1 5 10

<210> 678

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 678

Asp Arg Val Tyr Ile His Pro Phe His Leu Val Ile His Asn
1 5 10

<210> 679

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 679

Asp Arg Val Tyr Ile His Pro Phe His Leu Leu Val Tyr Ser
1 5 10

<210> 680

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 680

Pro His Pro Phe His Phe Phe Val Tyr Lys
1 5 10

<210> 681

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 681

Asp Arg Val Tyr Ile His Pro Phe His Leu Leu Tyr Tyr Ser
1 5 10

<210> 682
<211> 14
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 682

Asp Arg Val Tyr Ile His Pro Cys His Leu Leu Tyr Tyr Ser
1 5 10

<210> 683

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 683

Asp Arg Val Tyr Ile His Pro Leu His Leu Leu Tyr Tyr Ser
1 5 10

<210> 684

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 684

Asp Arg Val Tyr Ile His Pro Val His Leu Leu Tyr Tyr Ser
1 5 10

<210> 685

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 685

Cys Ser Cys Ser Ser Leu Met Asp Lys Glu Cys Val Tyr Phe Cys His
1 5 10 15

Leu Asp Ile Ile Trp Val Asn Thr Pro Glu His Val Val Pro Tyr Gly
20 25 30

Leu Gly Ser Pro Arg Ser
35

<210> 686

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 686

Ile Asn Thr Pro Glu Gln Thr Val Pro Tyr Gly Leu Ser Asn Tyr Arg
1 5 10 15

Gly Ser Phe Arg
20

<210> 687

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 687

Val Asn Thr Pro Glu Arg Val Val Pro Tyr Gly Leu Gly Ser Pro Ser
1 5 10 15

Arg Ser

<210> 688
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
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Peptide

<400> 688
Cys Ser Cys Ser Ser Leu Met Asp Lys Glu Cys Val Tyr Phe Cys His
1 5 10 15

Leu Asp Ile Ile Trp Val Asn Thr Pro Glu His Val Val Pro Tyr Gly
20 25 30

Leu Gly Ser Pro Ser Arg Ser
35

<210> 689
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
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Peptide

<400> 689
Val Asn Thr Pro Glu His Val Val Pro Tyr Gly Leu Gly Ser Pro Ser
1 5 10 15

Arg Ser

<210> 690
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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Peptide

<400> 690

Ile Ile Trp Val Asn Thr Pro Glu His Val Val Pro Tyr Gly Leu Gly
1 5 10 15

Ser Pro Arg Ser
20

<210> 691
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 691
Val Asn Thr Pro Glu His Val Val Pro Tyr Gly Leu Gly Ser Pro Arg
1 5 10 15

Ser

<210> 692
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 692
Cys Ser Cys Ser Ser Trp Leu Asp Lys Glu Cys Val Tyr Phe Cys His
1 5 10 15

Leu Asp Ile Ile Trp Val Asn Thr Pro Glu Gln Thr Ala Pro Tyr Gly
20 25 30

Leu Gly Asn Pro Pro
35

<210> 693
<211> 16
<212> PRT
<213> Artificial Sequence

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<400> 693

<210> 694

<211> 41

<212> PRT

<213> Artificial Sequence

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 694

Leu Asp Ile Ile Trp Ile Asn Thr Pro Glu Gln Thr Val Pro Tyr Gly
20 25 30

Leu Ser Asn Tyr Arg Gly Ser Phe Arg
35 40

<210> 695

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 695

Cys Ser Cys Ser Ser Leu Met Asp Lys Glu Cys Val Tyr Phe Cys His
1 5 10 15

Leu Asp Ile Ile Trp Val Asn Thr Pro Glu His Ile Val Pro Tyr Gly
20 25 30

Leu Gly Ser Pro Ser Arg Ser
35

<210> 696
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
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Peptide

<400> 696
Val Asn Thr Pro Glu His Val Val Pro Tyr Gly Leu Gly Ser Pro Ser
1 5 10 15

Arg Ser

<210> 697
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
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Peptide

<400> 697
Cys Ser Cys Ser Ser Leu Met Asp Lys Glu Cys Val Tyr Phe Cys His
1 5 10 15

Leu Asp Ile Ile Trp Val Asn Thr Pro Glu Arg Val Val Pro Tyr Gly
20 25 30

Leu Gly Ser Pro Ser Arg Ser
35

<210> 698
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
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Peptide

<400> 698

Cys Ser Cys Ser Ser Trp Leu Asp Lys Glu Cys Val Tyr Phe Cys His
1 5 10 15

Leu Asp Ile Ile Trp Val Asn Thr Pro Glu Gln Thr Ala Pro Tyr Gly
20 25 30

Leu Gly Asn Pro Pro Arg
35

<210> 699

<211> 17

<212> PRT

<213> Artificial Sequence

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Peptide

<400> 699

Val Asn Thr Pro Glu Gln Thr Ala Pro Tyr Gly Leu Gly Asn Pro Pro
1 5 10 15

Arg

<210> 700

<211> 41

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 700

Cys Thr Cys Phe Thr Tyr Lys Asp Lys Glu Cys Val Tyr Tyr Cys His
1 5 10 15

Leu Asp Ile Ile Trp Ile Asn Thr Pro Glu Gln Thr Val Pro Tyr Gly
20 25 30

Leu Ser Asn His Arg Gly Ser Leu Arg
35 40

<210> 701
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 701
Cys Gln Cys Ala Ser Gln Lys Asp Lys Lys Trp Ser Tyr Cys Gln Ala
1 5 10 15

Gly Lys Glu Ile
20

<210> 702
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 702
Cys Ser Cys Ser Ser Leu Met Asp Lys Glu Cys Val Tyr Phe Cys His
1 5 10 15

Leu Asp Ile Ile Trp
20

<210> 703
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 703
Cys Ser Cys Ser Ser Leu Met Asp Lys Glu Cys Val Tyr Phe Cys
1 5 10 15

<210> 704
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 704
Cys Ser Cys Ser Ser Leu Met Asp Lys Glu Cys Val Tyr Phe Cys
1 5 10 15

<210> 705
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 705
Trp Leu Asp Ile Ile Trp
1 5

<210> 706
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 706
Cys Ser Ala Ser Ser Leu Met Asp Lys Glu Ala Val Tyr Phe Cys His
1 5 10 15

Leu Asp Ile Ile Trp
20

<210> 707
<211> 20
<212> PRT

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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 707

Ser Cys Ser Ser Leu Met Asp Lys Glu Cys Val Tyr Phe Asp His Leu
1 5 10 15

Asp Ile Ile Trp
20

<210> 708

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 708

Ala Ser Ala Ser Ser Leu Met Asp Lys Glu Ala Val Tyr Phe Ala His
1 5 10 15

Leu Asp Ile Ile Trp
20

<210> 709

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 709

Leu Met Asp Lys Glu Ala Val Tyr Phe Ala His Leu Asp Ile Ile Trp
1 5 10 15

<210> 710

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 710

Cys Ala Cys Phe Thr Tyr Lys Asp Lys Glu Cys Val Tyr Tyr Cys His
1 5 10 15

Leu Asp Ile Ile Trp
20

<210> 711

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 711

Cys Ser Ala Ser Ser Leu Asp Lys Glu Ala Val Tyr Phe Cys His Leu
1 5 10 15

Ala Ile Ile Trp
20

<210> 712

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 712

Cys Ser Cys Ser Ser Leu Met Asp Lys Glu Cys Val Tyr Phe Cys His
1 5 10 15

Leu Asn Ile Ile Trp
20

<210> 713
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 713
Asn Trp His Gly Thr Ala Pro Asp Trp Phe Phe Asn Tyr Tyr Trp
1 5 10 15

<210> 714
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 714
Asp Glu Glu Ala Val Tyr Phe Ala His Leu Asp Ile Ile Trp
1 5 10

<210> 715
<211> 6
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 715
His Leu Asp Ile Ile Trp
1 5

<210> 716
<211> 23
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 716

His Leu Asp Ile Ile Trp Val Asn Thr Pro Glu His Val Val Pro Tyr
1 5 10 15

Gly Leu Gly Ser Pro Arg Ser
20

<210> 717

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 717

Cys Ser Cys Ser Ser Trp Leu Asp Lys Glu Cys Val Tyr Phe Cys His
1 5 10 15

Leu Asp Ile Ile Trp
20

<210> 718

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 718

Cys Thr Cys Phe Thr Tyr Lys Asp Lys Glu Cys Val Tyr Tyr Cys His
1 5 10 15

Leu Asp Ile Ile Trp
20

<210> 719

<211> 16

<212> PRT

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<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 719

Ser Leu Lys Asp Leu Phe Pro Ala Lys Ala Ala Asp Arg Arg Asp Arg
1 5 10 15

<210> 720

<211> 3

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 720

Leu Trp Trp
1

<210> 721

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 721

Met Leu Met Trp
1

<210> 722

<211> 1

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

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<211> 5

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<223> Description of Artificial Sequence: Synthetic Peptide

Asp Pro Ile Leu Trp

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Gln Asp Val Ile Trp
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Gln Asp Val Ile Trp
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His Leu Asp Ile Ile Trp
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Peptide

<400> 732

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1 5 10 15

Tyr Thr Asn Gly Leu Gln Val Asn Phe His Ser Pro Arg Ser Gly Gln
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Arg Cys Trp Ala Ala Arg Thr Gln Val Glu Lys Arg Leu
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Cys Pro Pro Gly Ser Pro Met Asn Pro His His Lys Cys Glu Val Trp
1 5 10 15

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Glu Ala Ile Trp Leu

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Ala Val Leu Trp

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Peptide

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Leu Trp Trp

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Peptide

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Leu Trp

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Leu Trp Tyr

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<223> Description of Artificial Sequence: Synthetic
Peptide

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Gln Asp Ile Ile Trp
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Peptide

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Gln Asp Val Ile Trp
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Tyr Pro Phe Pro Gly Pro Ile

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Tyr Pro Phe Pro

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<210> 750

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<223> Description of Artificial Sequence: Synthetic
Peptide

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Tyr Pro Phe Pro Gly

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<223> Description of Artificial Sequence: Synthetic
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Peptide

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Tyr Phe Pro Gly

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<210> 764

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<210> 765

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Tyr Phe Pro

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<210> 766

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<223> Description of Artificial Sequence: Synthetic
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Pro Phe Pro Gly Pro Ile

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<210> 767

<211> 6

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<223> Description of Artificial Sequence: Synthetic
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Pro Phe Pro Gly Pro Ile

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<210> 768

<211> 4

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Tyr Pro Val Pro

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<210> 769

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Tyr Pro Phe Pro

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<210> 770

<211> 4

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Tyr Pro Phe Pro

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<210> 771

<211> 3

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Tyr Pro Pro

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<210> 772

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<223> Description of Artificial Sequence: Synthetic
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Tyr Ala Phe Gly Tyr Pro Ser

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<210> 773

<211> 3

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Tyr Arg Phe

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Peptide

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Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn

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Gln Lys Arg Tyr Gly Gly Phe Leu Arg Arg Gln Phe Lys Val Val Thr

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Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn
1 5 10 15

Gln

<210> 776

<211> 11

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Tyr Gly Phe Leu Arg Ile Arg Pro Lys Leu Lys
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<210> 777

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<223> Description of Artificial Sequence: Synthetic
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Tyr Ala Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn
1 5 10 15

Gln

<210> 778

<211> 17

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Tyr Ala Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn
1 5 10 15

Gln

<210> 779

<211> 17

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Tyr Ala Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn
1 5 10 15

Gln

<210> 780

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Peptide

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Tyr Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys
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<210> 781

<211> 8

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Tyr Gly Phe Leu Arg Arg Ile Arg

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<210> 782

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<210> 783

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Peptide

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<210> 784

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<223> Description of Artificial Sequence: Synthetic
Peptide

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Gly Gly Phe Leu Arg Arg Ile

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Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu
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<210> 786

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Peptide

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Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys
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<210> 787

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Peptide

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Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys
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<210> 788

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Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro
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Peptide

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Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro Arg Leu Arg Gly
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<210> 790

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Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn Gln
1 5 10 15

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Peptide

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Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn Gln
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<210> 794
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Gly Phe Leu Arg Arg Ile
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<210> 795
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Peptide

<400> 795

Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys
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<210> 796

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Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn Gln
1 5 10 15

<210> 797

<211> 11

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Peptide

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Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn Gln
1 5 10

<210> 798

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<400> 798

Ile Arg Pro Lys Leu Lys Trp Asp Asn Gln
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Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn Gln
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Arg Pro Lys Leu Lys Trp Asp Asn Gln
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Lys Trp Asp Asn Gln
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<210> 803

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Peptide

<400> 803

Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn
1 5 10 15

Gln

<210> 804

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Tyr Gly Gly Phe Leu Arg Arg Gln Phe Lys Val Val Thr
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<210> 805

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Tyr Gly Gly Phe Leu Arg Arg Gln Phe
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<210> 806

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Peptide

<400> 806

Tyr Gly Gly Phe Leu Arg Arg Gln Phe Lys Val Val Thr Arg Ser Gln
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Glu Asp Pro Asn Ala Tyr Ser Gly Glu Leu Phe Asp Ala
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<210> 807

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Peptide

<400> 807

Tyr Gly Gly Phe Leu Arg Lys Tyr Pro Lys
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<210> 808

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<223> Description of Artificial Sequence: Synthetic
Peptide

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Tyr Gly Gly Phe Leu Arg Lys Tyr Pro

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<210> 809

<211> 13

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 809

Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys

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<210> 810

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 810

Tyr Gly Gly Phe Leu Arg Phe

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<210> 811

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Tyr Gly Gly Phe Leu Arg Phe

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<210> 812
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Peptide

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Glu Asp Pro Asn Ala Tyr Tyr Glu Glu Leu Phe Asp Val
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<210> 813
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Peptide

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Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala His Lys Lys Gly Gln
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Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala His

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<223> Description of Artificial Sequence: Synthetic Peptide

Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
1 5 10 15

Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala Tyr Lys Lys Gly Glu
20 25 30

<213> Artificial Sequence

<223> Description of Artificial Sequence: Synthetic Peptide

Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
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Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala
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<213> Artificial Sequence

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Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr

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Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala Tyr
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Peptide

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Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
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<210> 820

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Peptide

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 821

Tyr Gly Gly Phe Leu Arg Lys Tyr Arg Pro Lys

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<210> 822

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<223> Description of Artificial Sequence: Synthetic
Peptide

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Tyr Gly Gly Phe Leu Arg Lys

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<210> 823

<211> 8

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<400> 823

Tyr Gly Gly Phe Leu Arg Lys Arg

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<210> 824

<211> 31

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 824

Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
1 5 10 15

Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala His Lys Lys Gly Gln
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<210> 825

<211> 27

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 825

Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
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Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala His
20 25

<210> 826

<211> 31

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 826

Tyr Gly Gly Phe Met Ser Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
1 5 10 15

Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala His Lys Lys Gly Gln
20 25 30

<210> 827
<211> 31
<212> PRT
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Peptide

<400> 827
Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
1 5 10 15

Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala Tyr Lys Lys Gly Glu
20 25 30

<210> 828
<211> 21
<212> PRT
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Peptide

<400> 828
Tyr Gly Gly Phe Met Thr Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala
1 5 10 15

Tyr Lys Lys Gly Glu
20

<210> 829
<211> 26
<212> PRT
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Peptide

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Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
1 5 10 15

Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala

<210> 830
 <211> 27
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 Peptide

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 Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
 1 5 10 15
 Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala Tyr
 20 25

<210> 831
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 Peptide

<400> 831
 Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr Leu Phe Lys Asn Ala
 1 5 10 15
 Ile Ile Lys Asn Ala Tyr Lys Lys Gly Glu
 20 25

<210> 832
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 Peptide

<400> 832
 Phe Lys Asn Ala Ile Ile Lys Asn Ala Tyr Lys Lys Gly Glu

1

5

10

<210> 833

<211> 31

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 833

Tyr	Gly	Gly	Phe	Met	Thr	Ser	Glu	Lys	Ser	Gln	Thr	Pro	Leu	Val	Thr
1				5					10					15	

Leu	Phe	Lys	Asn	Ala	Ile	Val	Lys	Asn	Ala	His	Lys	Lys	Gly	Gln
			20					25					30	

<210> 834

<211> 31

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 834

Tyr	Gly	Gly	Phe	Met	Thr	Ser	Glu	Lys	Ser	Gln	Thr	Pro	Leu	Val	Thr
1				5					10					15	

Leu	Phe	Lys	Asn	Ala	Ile	Ile	Lys	Asn	Val	His	Lys	Lys	Gly	Gln
			20					25					30	

<210> 835

<211> 10

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 835

Glu Leu Ala Gly Ala Pro Pro Glu Pro Ala

1

5

10

<210> 836

<211> 4

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 836

Tyr Gly Gly Phe

1

<210> 837

<211> 9

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 837

Tyr Gly Gly Phe Met Thr Ser Glu Lys

1

5

<210> 838

<211> 4

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<223> Description of Artificial Sequence: Synthetic
Peptide

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Lys Lys Gly Glu

1

<210> 839

<211> 31

<212> PRT

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<223> Description of Artificial Sequence: Synthetic Peptide

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Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
1 5 10 15

Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala Tyr Lys Lys Gly Glu
20 25 30

<210> 840

<211> 17

<212> PRT

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<400> 840

Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
1 5 10 15

Leu

<210> 841

<211> 1

<212> PRT

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<400> 841

Tyr
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<210> 842

<211> 8

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 842

Tyr Gly Phe Met Thr Ser Glu Lys
1 5

<210> 843

<211> 8

<212> PRT

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 843

Tyr Gly Phe Met Thr Ser Glu Lys
1 5

<210> 844

<211> 16

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 844

Tyr Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr Leu
1 5 10 15

<210> 845

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 845

Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr Leu
1 5 10 15

<210> 846

<211> 31

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 846

Tyr Gly Gly Phe Leu Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
1 5 10 15

Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala His Lys Lys Gly Gln
20 25 30

<210> 847

<211> 6

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 847

Tyr Gly Gly Phe Met Lys
1 5

<210> 848

<211> 7

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 848

Tyr Gly Gly Phe Met Lys Lys
1 5

<210> 849
<211> 7
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Peptide

<400> 849
Tyr Gly Gly Phe Met Lys Arg
1 5

<210> 850
<211> 8
<212> PRT
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Peptide

<400> 850
Tyr Gly Gly Phe Met Arg Arg Val
1 5

<210> 851
<211> 8
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Peptide

<400> 851
Ala Ala Ala Tyr Gly Gly Phe Met
1 5

<210> 852
<211> 26
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 852

Tyr Gly Gly Phe Met Lys Lys Met Asp Glu Leu Tyr Pro Leu Glu Val
1 5 10 15

Glu Glu Glu Ala Asn Gly Gly Glu Val Leu
20 25

<210> 853

<211> 26

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 853

Tyr Gly Gly Phe Met Lys Lys Met Asp Glu Leu Tyr Pro Leu Glu Val
1 5 10 15

Glu Glu Glu Ala Asn Gly Gly Glu Val Leu
20 25

<210> 854

<211> 12

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 854

Tyr Gly Gly Phe Met Arg Arg Val Gly Arg Pro Glu
1 5 10

<210> 855

<211> 12

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 855

Tyr Gly Gly Phe Met Arg Arg Val Gly Arg Pro Glu
1 5 10

<210> 856

<211> 22

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 856

Tyr Gly Gly Phe Met Arg Arg Val Gly Arg Pro Glu Trp Trp Met Asp
1 5 10 15

Tyr Gln Lys Arg Tyr Gly
20

<210> 857

<211> 3

<212> PRT

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<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 857

Phe Ala Arg
1

<210> 858

<211> 5

<212> PRT

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<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 858

Tyr Ala Gly Phe Gly

1 5

<210> 859

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 859

Tyr Ala Gly Phe Leu

1 5

<210> 860

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 860

Tyr Ala Gly Phe Met

1 5

<210> 861

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 861

Tyr Gly Phe Leu

1

<210> 862
<211> 5
<212> PRT
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<220>
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Peptide

<400> 862
Tyr Gly Phe Leu Arg
1 5

<210> 863
<211> 2
<212> PRT
<213> Artificial Sequence

<220>
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Peptide

<400> 863
Gly Phe
1

<210> 864
<211> 2
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 864
Gly Phe
1

<210> 865
<211> 4
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<400> 865
Gly Gly Phe Leu
1

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<210> 866
<211> 3
<212> PRT
<213> Artificial Sequence
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<220>
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Tyr Gly Phe
1

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<210> 867
<211> 3
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic Peptide

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Tyr Gly Phe
1

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<210> 868
<211> 3
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic Peptide

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Phe Leu Arg

1

<210> 869
<211> 3
<212> PRT
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Peptide

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Tyr Gly Phe
1

<210> 870
<211> 5
<212> PRT
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Peptide

<400> 870
Tyr Gly Gly Phe Leu
1 5

<210> 871
<211> 5
<212> PRT
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Peptide

<400> 871
Tyr Gly Gly Phe Leu
1 5

<210> 872
<211> 5
<212> PRT

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 872

Tyr Gly Gly Phe Leu

1

5

<210> 873

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 873

Tyr Ala Gly Phe Leu

1

5

<210> 874

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 874

Tyr Ser Gly Phe Leu Thr

1

5

<210> 875

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 875
Tyr Thr Gly Phe Leu Thr
1 5

<210> 876
<211> 6
<212> PRT
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<220>
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Peptide

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Tyr Gly Gly Phe Leu Lys
1 5

<210> 877
<211> 6
<212> PRT
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Peptide

<400> 877
Tyr Gly Gly Phe Met Arg
1 5

<210> 878
<211> 7
<212> PRT
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Peptide

<400> 878
Tyr Gly Gly Phe Met Arg Arg
1 5

<210> 879

<211> 9
<212> PRT
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Peptide

<400> 879

Tyr Gly Gly Phe Met Arg Arg Val Gly
1 5

<210> 880

<211> 8

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 880

Tyr Gly Gly Phe Met Arg Gly Leu
1 5

<210> 881

<211> 7

<212> PRT

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Peptide

<400> 881

Tyr Gly Gly Phe Met Arg Phe
1 5

<210> 882

<211> 5

<212> PRT

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Peptide

<400> 882

Tyr Gly Gly Phe Met
1 5

<210> 883

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 883

Tyr Gly Gly Phe Met
1 5

<210> 884

<211> 5

<212> PRT

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<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 884

Tyr Ala Gly Phe Met
1 5

<210> 885

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 885

Tyr Ala Gly Phe Met
1 5

<210> 886
<211> 7
<212> PRT
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Peptide

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Tyr Gly Gly Phe Met Arg Phe
1 5

<210> 887
<211> 5
<212> PRT
<213> Artificial Sequence

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Peptide

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Tyr Gly Gly Phe Met
1 5

<210> 888
<211> 5
<212> PRT
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<220>
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Peptide

<400> 888
Tyr Ala Gly Phe Met
1 5

<210> 889
<211> 4
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 889

Tyr Gly Phe Pro

1

<210> 890

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 890

Tyr Gly Phe Met

1

<210> 891

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 891

Tyr Gly Gly Phe Met Arg Arg Val

1

5

<210> 892

<211> 31

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 892

Phe Ala Glu Pro Leu Pro Ser Glu Glu Glu Gly Glu Ser Tyr Ser Lys

15

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<210> 893
<211> 25
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<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 893

Tyr Gly Gly Phe Met Arg Arg Val Gly Arg Pro Glu Trp Trp Met Asp
1 5 10 15

Tyr Gln Lys Arg Tyr Gly Gly Phe Leu
20 25

<210> 894

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 894

Tyr Gly Gly Phe Met Lys Lys Met Asp Glu Leu Tyr Pro Leu Glu Val
1 5 10 15

Glu Glu Glu Ala Asn Gly Gly Glu Val Leu Gly Lys Arg Tyr Gly Gly
20 25 30

Phe Met

<210> 895

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 895

Ser Ser Glu Val Ala Gly Glu Gly Asp Gly Asp Ser Met Gly His Glu
1 5 10 15

Asp Leu Tyr

<210> 896

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 896

Leu Val Val Tyr Pro Trp
1 5

<210> 897

<211> 2

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 897

Pro Gly
1

<210> 898

<211> 4

<212> PRT

<213> Artificial Sequence

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Peptide

<400> 898
Tyr Pro Phe Pro
1

<210> 899
<211> 5
<212> PRT
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<220>
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Peptide

<400> 899
Tyr Pro Phe Pro Pro
1 5

<210> 900
<211> 4
<212> PRT
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Peptide

<400> 900
Tyr Pro Pro Pro
1

<210> 901
<211> 6
<212> PRT
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Peptide

<400> 901
Arg Tyr Leu Gly Tyr Leu
1 5

<210> 902
<211> 8
<212> PRT
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Peptide

<400> 902
Ala Ala Ala Tyr Gly Gly Phe Leu
1 5

<210> 903
<211> 8
<212> PRT
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Peptide

<400> 903
Ala Ala Ala Tyr Gly Gly Phe Leu
1 5

<210> 904
<211> 18
<212> PRT
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Peptide

<400> 904
Tyr Gly Gly Phe Met Arg Arg Val Gly Arg Pro Glu Trp Trp Met Asp
1 5 10 15

Tyr Gln

<210> 905
<211> 6
<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 905

Tyr Pro Phe Pro Pro Leu
1 5

<210> 906

<211> 7

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 906

Tyr Val Pro Phe Pro Pro Phe
1 5

<210> 907

<211> 2

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 907

Trp Gly
1

<210> 908

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 908
Tyr Arg Phe Lys
1

<210> 909
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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Peptide

<400> 909
Tyr Met Phe His Leu Met Asp
1 5

<210> 910
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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Peptide

<400> 910
Tyr Ala Phe Asp Val Val Gly
1 5

<210> 911
<211> 7
<212> PRT
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<220>
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Peptide

<400> 911
Tyr Ala Phe Glu Val Val Gly
1 5

<210> 912

<211> 4
<212> PRT
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Peptide

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Tyr Pro Trp Phe
1

<210> 913
<211> 5
<212> PRT
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Peptide

<400> 913
Tyr Pro Trp Phe Phe
1 5

<210> 914
<211> 2
<212> PRT
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Peptide

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Tyr Arg
1

<210> 915
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<212> PRT
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<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 915

Tyr

1

<210> 916

<211> 2

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 916

Leu Gly

1

<210> 917

<211> 4

<212> PRT

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Peptide

<400> 917

Pro Gln Arg Phe

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<210> 918

<211> 18

<212> PRT

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<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

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Ala Gly Glu Gly Leu Ser Ser Pro Phe Trp Ser Leu Ala Ala Pro Gln

1

5

10

15

Arg Phe

<210> 919

<211> 17

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 919

Phe Gly Gly Phe Thr Gly Ala Arg Lys Ser Ala Arg Lys Leu Ala Asn
1 5 10 15

Gln

<210> 920

<211> 3

<212> PRT

<213> Artificial Sequence

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Peptide

<400> 920

Tyr Phe Phe
1

<210> 921

<211> 4

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 921

Tyr Pro Leu Gly
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<210> 922
<211> 4
<212> PRT
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Peptide

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Tyr Pro Trp Gly
1

<210> 923
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Peptide

<400> 923
Val Val Tyr Pro Trp Thr Gln
1 5

<210> 924
<211> 9
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Peptide

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Leu Val Val Tyr Pro Trp Thr Gln Arg
1 5

<210> 925
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<212> PRT
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Peptide

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Pro Leu

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<210> 926

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<212> PRT

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Peptide

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Phe Gly Gly Phe Thr Gly Ala Arg Lys Ser Ala Arg Lys Leu Ala Asn
1 5 10 15

Gln

<210> 927

<211> 8

<212> PRT

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Peptide

<400> 927

Tyr Gly Gly Phe Met Arg Arg Val

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<210> 928

<211> 8

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide

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Ala Lys Ser Gln Gly Gly Ser Asn

1

5

<210> 929

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

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Leu Glu Asp Gly Pro Lys Phe Leu

1

5

<210> 930

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 930

Arg Lys Asp Val Tyr

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<210> 931

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 931

Gly Glu Gln Arg Lys Asp Val Tyr Val Gln Leu Tyr Leu

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<210> 932
<211> 28
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 932

Ser Asp Ala Ala Val Asp Thr Ser Ser Glu Ile Thr Thr Lys Asp Leu
1 5 10 15

Lys Glu Lys Lys Glu Val Val Glu Glu Ala Glu Asn
20 25

<210> 933

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 933

Tyr Gln Ala Lys Ser Gln Gly Gly Ser Asn
1 5 10

<210> 934

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 934

Ser Asp Ala Ala Val Asp Thr Ser Ser Glu Ile Thr Thr Lys Asp Leu
1 5 10 15

Lys Glu Lys Lys Glu Val Val Glu Glu Ala Glu Asn
20 25

<210> 935
<211> 52
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 935
Tyr Arg Gln Ser Met Asn Asn Phe Gln Gly Leu Arg Ser Phe Gly Cys
1 5 10 15
Arg Phe Gly Thr Cys Thr Val Gln Lys Leu Ala His Gln Ile Tyr Gln
20 25 30
Phe Thr Asp Lys Asp Lys Asp Asn Val Ala Pro Arg Ser Lys Ile Ser
35 40 45
Pro Gln Gly Tyr
50

<210> 936
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 936
Tyr Arg Gln Ser Met Asn Asn Phe Gln Gly Leu Arg
1 5 10

<210> 937
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 937
Ser Phe Gly Cys Arg Phe Gly Thr Cys Thr Val Gln Lys Leu Ala His

1

5

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15

Gln Ile Tyr Phe Thr Asp Lys Asp Asn Val Ala Pro Arg Ser Lys Ile
 20 25 30

Ser Pro Gln Gly Tyr
 35

<210> 938

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 938

Thr Val Gln Lys Leu Ala His Gln Ile Tyr Gln Phe Thr Asp Lys Asp
 1 5 10 15

Lys Asp Asn Val Ala Pro Arg Ser Lys Ile Ser Pro Gln Gly Tyr
 20 25 30

<210> 939

<211> 48

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 939

Glu Leu Arg Met Ser Ser Ser Tyr Pro Thr Gly Leu Ala Asp Val Lys
 1 5 10 15

Ala Gly Pro Ala Gln Thr Leu Ile Arg Pro Gln Asp Met Lys Gly Ala
 20 25 30

Ser Arg Ser Pro Glu Asp Ser Ser Pro Asp Ala Ala Arg Ile Arg Val
 35 40 45

<210> 940
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 940
Ser Leu Pro Glu Ala Gly Pro Gly Arg Thr Leu Val Ser Ser Lys Pro
1 5 10 15
Gln Ala His Gly Ala Pro Ala Pro Pro Ser Gly Ser Ala Pro His Phe
20 25 30

Leu

<210> 941
<211> 52
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 941
Tyr Arg Gln Ser Met Asn Phe Gln Gly Leu Arg Ser Phe Gly Cys Arg
1 5 10 15
Phe Gly Thr Cys Thr Val Gln Lys Leu Ala His Gln Ile Tyr Gln Phe
20 25 30
Thr Asp Lys Asp Gly Val Ala Pro Arg Ser Lys Ile Ser Lys Ile Ser
35 40 45
Pro Gln Gly Tyr
50

<210> 942
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 942

Ala Arg Leu Asp Val Ala Ala Glu Phe Arg Lys Lys Trp Asn Lys Trp
1 5 10 15

Ala Leu Ser Arg
20

<210> 943

<211> 53

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 943

Tyr Arg Gln Ser Met Asn Gln Gly Ser Arg Ser Thr Gly Cys Arg Phe
1 5 10 15

Gly Thr Cys Thr Met Gln Lys Leu Ala His Gln Ile Tyr Gln Ile Tyr
20 25 30

Gln Phe Thr Asp Lys Asp Lys Asp Gly Met Ala Pro Arg Asn Lys Ile
35 40 45

Ser Pro Gln Gly Tyr
50

<210> 944.

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 944

Ser Thr Gly Cys Arg Phe Gly Thr Cys Thr Met Gln Lys Leu Ala His
1 5 10 15

Gln Ile Tyr Gln Phe Thr Asp Lys Asp Lys Asp Gly Met Ala Pro Arg
 20 25 30

Asn Lys Ile Ser Pro Gln Gly Tyr
 35 40

<210> 945
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Peptide

<400> 945
 Ala Arg Leu Asp Thr Ser Ser Gln Phe Arg Lys Lys Trp Asn Lys Trp
 1 5 10 15

Ala Leu Ser Arg
 20

<210> 946
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Peptide

<400> 946
 Ala Pro Ser Gly Ala Gln Arg Leu Tyr Gly Phe Gly Leu
 1 5 10

<210> 947
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Peptide

005000-315250

<400> 947

Gly Asp Gly Arg Leu Tyr Ala Phe Gly Leu

1 5 10

<210> 948

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 948

Gly Gly Ser Leu Tyr Ser Phe Gly Leu

1 5

<210> 949

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 949

Asp Arg Leu Tyr Ser Phe Gly Leu

1 5

<210> 950

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 950

Val His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn

1 5 10 15

Lys

<210> 951
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 951
Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met
1 5 10

<210> 952
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 952
Arg Glu Arg Met Ser
1 5

<210> 953
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 953
Ala Lys Glu Arg Leu Glu Ala Lys His Arg Glu Arg Met Ser Gln Val
1 5 10 15

Met

<210> 954

<211> 43
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 954

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val Ile Ala Thr
35 40

<210> 955
<211> 42
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 955

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val Ile Ala
35 40

<210> 956
<211> 40
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 956

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val
35 40

<210> 957

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 957

Tyr Glu Val His His Gln Lys Leu Val Phe Phe
1 5 10

<210> 958

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 958

Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met
1 5 10

<210> 959

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 959

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys
20 25

<210> 960

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 960

Val Val Gly Gly Val Met Leu Gly Ile Ile Ala Gly Lys Asn Ser Gly
1 5 10 15

Val Asp Glu Ala Phe Phe Val Leu Lys Gln His His Val Glu Tyr Gly
20 25 30

Ser Asp His Arg Phe Glu Ala Asp
35 40

<210> 961

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 961

Asp Ala Glu Phe Gly His Asp Ser Gly Phe Glu Val Arg His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val Ile Ala
35 40

<210> 962
<211> 40
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 962

Asp Ala Glu Phe Gly His Asp Ser Gly Phe Glu Val Arg His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val
35 40

<210> 963
<211> 11
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 963

Tyr Glu Val His His Gln Lys Leu Val Phe Phe
1 5 10

<210> 964
<211> 14
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 964

Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met
1 5 10

<210> 965
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 965
Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys
20 25

<210> 966
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 966
Val Val Gly Gly Val Met Leu Gly Ile Ile Ala Gly Lys Asn Ser Gly
1 5 10 15

Val Asp Glu Ala Phe Phe Val Leu Lys Gln His His Val Glu Tyr Gly
20 25 30

Ser Asp His Arg Phe Glu Ala Asp
35 40

<210> 967
<211> 42
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 967
Asp Ala Glu Phe Gly His Asp Ser Gly Phe Glu Val Arg His Gln Lys

1

5

10

15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val Ile Ala
35 40

<210> 968

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 968

Asp Ala Glu Phe Gly His Asp Ser Gly Phe Glu Val Arg His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val
35 40

<210> 969

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 969

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu
1 5 10

<210> 970

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 970

Ile Ile Gly Leu Met
1 5

<210> 971

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 971

Ile Gly Leu Met
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<210> 972

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 972

Met Leu Gly Ile Ile Ala Gly Lys Asn Ser Gly
1 5 10

<210> 973

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 973

Asn Trp Cys Lys Arg Gly Arg Lys Gln Cys Lys Thr His Pro His

1

5

10

15

<210> 974

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 974

His His Gly Val Val Glu Val Asp Ala Ala Val Thr Pro Glu Glu Arg
1 5 10 15His Leu Ser Lys
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<210> 975

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 975

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30Gly Leu Met Val Gly Gly
35

<210> 976

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 976

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Gln Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys
20 25

<210> 977

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 977

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Gln Val His His Gln Lys
1 5 10 15

<210> 978

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 978

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val
35 40

<210> 979

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 979

His Asp Ser Gly Tyr Glu Val His His Gln Lys Leu Val Phe Phe Ala
1 5 10 15

Gln Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly
20 25 30

Gly Val Val
35

<210> 980

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 980

Glu Gln Val Thr Asn Val Gly Gly Ala Val Val Thr Gly Val Thr Ala
1 5 10 15

Val Ala Gln Lys Thr Val Glu Gly Ala Gly Ser Ile Ala Ala Ala Thr
20 25 30

Gly Phe Val
35

<210> 981

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 981

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
1 5 10 15

Gly Leu Met Val Gly Gly Val Val
20

<210> 982
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 982
Gly Tyr Val Ile Ile Lys Pro Leu Val Trp Val
1 5 10

<210> 983
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 983
Val His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn
1 5 10 15

Lys

<210> 984
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 984
Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met
1 5 10

<210> 985
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 985
Arg Glu Arg Met Ser
1 5

<210> 986
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 986
Ala Lys Glu Arg Leu Glu Ala Lys His Arg Glu Arg Met Ser Gln Val
1 5 10 15

Met

<210> 987
<211> 43
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 987
Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val Ile Ala Thr
35 40

<210> 988
<211> 42
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 988
Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val Ile Ala
35 40

<210> 989
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 989
Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val
35 40

<210> 990
<211> 11
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 990

Tyr Glu Val His His Gln Lys Leu Val Phe Phe
1 5 10

<210> 991

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 991

Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met
1 5 10

<210> 992

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 992

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys
20 25

<210> 993

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 993

Val Val Gly Gly Val Met Leu Gly Ile Ile Ala Gly Lys Asn Ser Gly
1 5 10 15

Val Asp Glu Ala Phe Phe Val Leu Lys Gln His His Val Glu Tyr Gly
20 25 30

Ser Asp His Arg Phe Glu Ala Asp
35 40

<210> 994

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 994

Asp Ala Glu Phe Gly His Asp Ser Gly Phe Glu Val Arg His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val Ile Ala
35 40

<210> 995

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 995

Asp Ala Glu Phe Gly His Asp Ser Gly Phe Glu Val Arg His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val
35 40

<210> 996
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 996
Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu
1 5 10

<210> 997
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 997
Ile Ile Gly Leu Met
1 5

<210> 998
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 998
Ile Gly Leu Met
1

<210> 999

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<223> Description of Artificial Sequence: Synthetic Peptide

Met Leu Gly Ile Ile Ala Gly Lys Asn Ser Gly
1 5 10

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<211> 15
<212> PRT
<213> Artificial Sequence
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<223> Description of Artificial Sequence: Synthetic Peptide

Asn	Trp	Cys	Lys	Arg	Gly	Arg	Lys	Gln	Cys	Lys	Thr	His	Pro	His
1				5					10					15

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<211> 20
<212> PRT
<213> Artificial Sequence
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<223> Description of Artificial Sequence: Synthetic Peptide

His His Gly Val Val Glu Val Asp Ala Ala Val Thr Pro Glu Glu Arg
1 5 10 15

His Leu Ser Lys
20

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<211> 38
<212> PRT
<213> Artificial Sequence
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<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1002

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly
35

<210> 1003

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1003

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Gln Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys
20 25

<210> 1004

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1004

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Gln Val His His Gln Lys
1 5 10 15

<210> 1005

<211> 40
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1005

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val
35 40

<210> 1006

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1006

His Asp Ser Gly Tyr Glu Val His His Gln Lys Leu Val Phe Phe Ala
1 5 10 15

Gln Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly
20 25 30

Gly Val Val
35

<210> 1007

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1007

Glu Gln Val Thr Asn Val Gly Gly Ala Val Val Thr Gly Val Thr Ala
1 5 10 15

Val Ala Gln Lys Thr Val Glu Gly Ala Gly Ser Ile Ala Ala Ala Thr
20 25 30

Gly Phe Val
35

<210> 1008

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1008

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
1 5 10 15

Gly Leu Met Val Gly Gly Val Val
20

<210> 1009

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1009

Gly Tyr Val Ile Ile Lys Pro Leu Val Trp Val
1 5 10

<210> 1010

<211> 63

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1010

Arg Leu Glu Lys Arg Asp Val Lys Ala Val Cys Ser Gln Glu Ala Met
1 5 10 15

Thr Gly Pro Cys Arg Ala Val Met Pro Arg Trp Tyr Phe Asp Leu Ser
20 25 30

Lys Gly Lys Cys Val Arg Phe Ile Tyr Gly Gly Cys Gly Gly Asn Arg
35 40 45

Asn Asn Phe Glu Ser Glu Asp Tyr Cys Met Ala Val Cys Lys Ala
50 55 60

<210> 1011

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1011

Asn Ser Ser Cys Gly Glu Gly Asn His Leu Pro Thr Thr Pro Cys Tyr
1 5 10 15

Leu Gln Trp Gly Thr His Arg Glu Phe Leu Arg Arg Phe Ser Ile Trp
20 25 30

Asn His Gly His Leu His Met
35

<210> 1012

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1012

Ala Gly Arg Gly Lys Gln Gly Gly Lys Val Arg Ala Lys Ala Lys Thr

1

5

10

15

Arg Ser Ser Arg Ala Gly Leu Gln Phe Pro Val Gly Arg Val His Arg
 20 25 30

Leu Leu Arg Lys Gly Asn Tyr
 35

<210> 1013

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1013

Thr Arg Ser Ser Arg Ala Gly Leu Gln Phe Pro Val Gly Arg Val His
 1 5 10 15

Arg Leu Leu Arg Lys
 20

<210> 1014

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1014

Lys Trp Lys Leu Phe Lys Lys Ile Glu Lys Val Gly Gln Asn Ile Arg
 1 5 10 15

Asp Gly Ile Ile Lys Ala Gly Pro Ala Val Ala Val Val Gly Gln Ala
 20 25 30

Thr Gln Ile Ala Lys
 35

<210> 1015

<211> 32

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1015

Ser	Trp	Leu	Ser	Lys	Thr	Ala	Lys	Lys	Leu	Glu	Asn	Ser	Ala	Lys	Lys
1				5					10					15	
Arg	Ile	Ser	Glu	Gly	Ile	Ala	Ile	Ala	Ile	Gln	Gly	Gly	Pro	Arg	Cys
			20					25						30	

<210> 1016

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1016

Gly	Ile	Met	Ser	Ile	Val	Lys	Asp	Val	Ala	Lys	Asn	Ala	Ala	Lys	Gly
1				5					10					15	
Ala	Leu	Ser	Thr	Leu	Ser	Thr	Leu	Ser	Cys	Lys	Leu	Ala	Lys	Thr	
			20					25					30		

<210> 1017

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1017

Phe	Leu	Gly	Ala	Leu	Phe	Lys	Val	Ala	Ser	Lys	Val	Leu	Pro	Ser	Val
1				5					10					15	

Lys Cys Ala Ile Thr Lys Lys Cys
20

<210> 1018
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1018
Ile Leu Pro Trp Lys Trp Pro Trp Trp Pro Trp Arg Arg
1 5 10

<210> 1019
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1019
Arg Gly Gly Arg Leu Cys Tyr Cys Arg Arg Arg Phe Cys Val Cys Val
1 5 10 15

Gly Arg

<210> 1020
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1020
Arg Arg Trp Cys Tyr Arg Lys Cys Tyr Lys Gly Tyr Cys Tyr Arg Lys
1 5 10 15

Cys Arg

<210> 1021

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1021

Arg Trp Lys Ile Phe Lys Lys Ile Glu Lys Val Gly Gln Asn Ile Arg
1 5 10 15

Asp Gly Ile Val Lys Ala Gly Pro Ala Val Ala Val Val Gly Gln Ala
20 25 30

Ala Thr Ile
35

<210> 1022

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1022

Arg Leu Cys Arg Ile Val Val Ile Arg Val Cys Arg
1 5 10

<210> 1023

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1023

Thr Arg Ser Ser Arg Ala Gly Leu Gln Phe Pro Val Gly Arg Val His
 1 5 10 15

Arg Leu Leu Arg Lys
 20

<210> 1024
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1024
 Tyr Pro Pro Gly Pro Leu Ala Pro Pro Gln Pro Phe Gly Pro
 1 5 10

<210> 1025
 <211> 22
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1025
 Val Asn Pro Gly Val Val Val Arg Ile Ser Gln Lys Gly Leu Asp Tyr
 1 5 10 15

Ala Ser Gln Gln Gly Arg
 20

<210> 1026
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1026

Ala Asp Val Leu Thr Thr Gly Ala Gly Asn Pro Val Gly Asp Lys
1 5 10 15

<210> 1027

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1027

Met Ala Ala Val Ser Met Ser Val Ala Leu Arg Gln Ala Leu Trp Gly
1 5 10 15

Arg Arg Val Ala Thr Val Ala Ala Val Ser Val Ser Lys Val Ser Thr
20 25 30

Arg Ser Leu Ser Thr Ser Thr Trp Arg Leu
35 40

<210> 1028

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1028

Gly Ile Gly Lys Phe Lys His Ser Ala Gly Lys Phe Gly Lys Ala Phe
1 5 10 15

Val Gly Glu Ile Met Lys Ser
20

<210> 1029

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 1029

Leu Arg Asp Leu Val Ser Tyr Cys Arg Ala Arg Gly Lys Gly Arg Glu
1 5 10 15

Arg Met Asn Gly Thr Arg Lys Gly His Leu Leu Tyr Met
20 25

<210> 1030

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1030

Ser Gln Asn Tyr
1

<210> 1031

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1031

Arg Leu Cys Arg Ile Val Val Ile Arg Val Cys Arg
1 5 10

<210> 1032

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1032

Asn Gln Gly Arg His Phe Cys Gly Gly Ala Leu Ile His Ala Arg Phe
1 5 10 15

Val Met Thr Ala Ala Ser Cys Phe Gln
20 25

<210> 1033

<211> 2

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1033

Pro Phe

1

<210> 1034

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1034

Cys Asn Leu Ala Val Ala Ala Ala Ser His Ile Tyr Gln Asn Gln Phe

1

5

10

15

Val Gln

<210> 1035

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1035

Tyr Arg Val Arg Phe Leu Ala Lys Glu Asn Val Thr Gln Asp Ala Glu
 1 5 10 15

Asp Asn Cys

<210> 1036

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1036

Lys Trp Lys Leu Phe Lys Lys Ile Gly Ala Val Leu Lys Val Leu
 1 5 10 15

<210> 1037

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1037

Lys Trp Lys Val Phe Lys Lys Ile Glu Lys Met Gly Arg Asn Ile Arg
 1 5 10 15

Asn Gly Ile Val Lys Ala Gly Pro Ala Ile Ala Val Leu Gly Glu Ala
 20 25 30

Lys Ala Leu
 35

<210> 1038

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 1038

Thr Tyr Ile Cys Glu Val Glu Asp Gln Lys Glu Glu
1 5 10

<210> 1039

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1039

Cys Tyr Cys Arg Ile Pro Ala Cys Ile Ala Gly Glu Arg Arg Tyr Gly
1 5 10 15

Thr Cys Ile Tyr Gln Gly Arg Leu Trp Ala Phe Cys Cys
20 25

<210> 1040

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1040

Ala Leu Trp Lys Thr Met Leu Lys Lys Leu Gly Thr Met Ala Leu His
1 5 10 15

Ala Gly Lys Ala Ala Leu Gly Ala Ala Ala Asp Thr Ile Ser Gln Gly
20 25 30

Thr Gln

<210> 1041

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1041

Gly Val Leu Ser Asn Val Ile Gly Tyr Leu Lys Lys Leu Gly Thr Gly
1 5 10 15

Ala Leu Asn Ala Val Leu Lys Gln
20

<210> 1042

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1042

Val Glu Pro Ile Pro Tyr
1 5

<210> 1043

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1043

Arg Arg Trp Gln Trp Arg Met Lys Lys Leu Gly
1 5 10

<210> 1044

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

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[illegible]

Asp Ala Glu Ala Val Gly Pro Glu Ala Phe Ala Asp Gln Asp Leu Asp
1 5 10 15

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<210> 1045
<211> 7
<212> PRT
<213> Artificial Sequence
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<220>
<223> Description of Artificial Sequence: Synthetic Peptide

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<400> 1045
Ser Ile Gly Ser Leu Ala Lys
      1               5
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<210> 1046
<211> 23
<212> PRT
<213> Artificial Sequence
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<220>
<223> Description of Artificial Sequence: Synthetic
      Peptide
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<400> 1046
Gly Ile Gly Lys Phe Leu His Ser Ala Gly Lys Phe Gly Lys Ala Phe
1 5 10 15

Val Gly Glu Ile Met Lys Ser
20

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<210> 1047
<211> 23
<212> PRT
<213> Artificial Sequence
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<223> Description of Artificial Sequence: Synthetic

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Gly Ile Gly Lys Phe Leu His Ser Ala Lys Lys Phe Gly Lys Ala Phe
1 5 10 15

<210> 1048

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1048

Tyr Leu Val Leu Phe Phe Tyr Pro Leu Asp Phe Thr Phe Val Cys Pro
1 5 10 15

Thr Glu Ile Ile Cys Pro Thr Glu Ile Ile Gly
20 25

<210> 1049

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1049

Leu Val Gln Ala Phe Gln Gly Lys Val Asn Val Phe Leu Gln Phe
1 5 10 15

<210> 1050

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 1050

Gly Leu Phe Ile Ile Asp Tyr Thr Asp Glu Met Gly Glu Val Pro Ala
1 5 10 15

Gly Gly Lys

<210> 1051

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1051

Asp Glu Val Asp
1

<210> 1052

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1052

Asp Glu Val Asp
1

<210> 1053

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1053

Val Ala Asp

1

<210> 1054

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1054

Val Ala Asp

1

<210> 1055

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1055

Asp Pro Met Ser Ser Thr Tyr Ile Glu Glu Leu Gly Lys Arg Glu Val

1

5

10

15

Thr Ile Pro Pro Lys Tyr Arg Glu Leu Leu Ala

20

25

<210> 1056

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1056

Val Ala Asp Met

1

<210> 1057
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1057
Asp Glu Val Asp
1

<210> 1058
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1058
Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro
1 5 10 15
Tyr Val Ala Asp
20

<210> 1059
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1059
Tyr Val Ala Asp Ala Pro Lys
1 5

<210> 1060
<211> 20

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1060

Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Ala Pro
1 5 10 15

Asp Glu Val Asp
20

<210> 1061

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1061

Tyr Val Ala Asp
1

<210> 1062

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1062

Tyr Val Ala Asp
1

<210> 1063

<211> 4

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1063
Tyr Val Ala Asp
1

<210> 1064
<211> 2
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1064
Val Phe
1

<210> 1065
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1065
Leu Leu Leu
1

<210> 1066
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1066
Tyr Val Ala Asp

1

<210> 1067
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1067
Val Glu Ile Asp
1

<210> 1068
<211> 1
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1068
Asp
1

<210> 1069
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1069
Asp Glu Val Asp Ala Pro Lys
1 5

<210> 1070
<211> 21
<212> PRT

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<223> Description of Artificial Sequence: Synthetic Peptide

Asp Met Phe Ser Asp Gly Asn Phe Asn Trp Val Arg Val Val Ala Leu
1 5 10 15

Phe Tyr Phe Ala Ser
20

<211> 8

<212> PRT

<213> Artificial Sequence

<223> Description of Artificial Sequence: Synthetic Peptide

Ala Asn Arg Leu Phe Gly Glu Lys
1 5

<211> 19

<212> PRT

<213> Artificial Sequence

<223> Description of Artificial Sequence: Synthetic Peptide

Gly Gly Gly Gly Asp Ile His Gln Gly Phe Gln Ser Leu Leu Thr Glu
1 5 10 15

Val Asn Lys

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1073

Gly Asn Thr Ala Ala Gln Met Ala Gln Ile Leu Ser Phe Asn
1 5 10

<210> 1074

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1074

Gln Gly Leu Trp Leu Met Asn Val Leu Arg Val Gly Trp His His His
1 5 10 15

Leu Gln Pro Arg Thr Val Pro Glu Asn
20 25

<210> 1075

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1075

Thr Gly His Gly Gly Pro Gln Phe Val Ala Asp His Pro Phe Leu Phe
1 5 10 15

Leu Ile Met His Lys Ile Thr Asn Cys Ile Leu Phe Phe Gly Arg Phe
20 25 30

Ser Ser Pro
35

<210> 1076
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1076
Ala Pro Arg Leu Arg Phe Tyr Ser Leu
1 5

<210> 1077
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1077
Ala Pro Arg Leu Arg Phe Tyr Ser
1 5

<210> 1078
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1078
Ala Pro Arg Leu Arg Phe Tyr
1 5

<210> 1079
<211> 5
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1079

Arg Leu Arg Phe His
1 5

<210> 1080

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1080

Arg Leu Arg Phe Asp
1 5

<210> 1081

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1081

Leu Lys Lys Tyr Lys Val Pro Gln Leu Glu Ile Val Pro Asn Ser Ala
1 5 10 15

Glu Glu Arg Leu His Ser Met
20

<210> 1082

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1082

Gln Lys Leu Gly Asn Gln Trp Ala Val Gly His Leu Met

1

5

10

<210> 1083

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1083

Trp Ala Val Gly His Leu Met

1

5

<210> 1084

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1084

Glu Gln Arg Leu Gly Asn Gln Trp Ala Val Gly His Leu Met

1

5

10

<210> 1085

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1085

Glu Gln Arg Leu Gly Asn Gln Trp Ala Val Gly His Leu Leu

1

5

10

<210> 1086

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<223> Description of Artificial Sequence: Synthetic Peptide

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<210> 1087
<211> 13
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<223> Description of Artificial Sequence: Synthetic Peptide

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<210> 1088
<211> 13
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<223> Description of Artificial Sequence: Synthetic Peptide

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<210> 1089
<211> 13
<212> PRT
<213> Artificial Sequence
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<223> Description of Artificial Sequence: Synthetic

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Gln Arg Tyr Gly Asn Gln Trp Ala Val Gly His Leu Met
1 5 10

<213> Artificial Sequence

<223> Description of Artificial Sequence: Synthetic Peptide

Gln Arg Tyr Gly Asn Gln Trp Ala Val Gly Phe Leu Met
1 5 10

<213> Artificial Sequence

<223> Description of Artificial Sequence: Synthetic Peptide

Met Pro Leu Pro Pro His Pro Gly His Pro Gly Tyr Ile Asn Phe Ser
1 5 10 15

Tyr Glu Val Leu Thr
20

<213> Artificial Sequence

<223> Description of Artificial Sequence: Synthetic Peptide

363

Pro Phe Tyr Gly Pro Val

1

5

<210> 1093

<211> 47

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1093

Tyr Leu Tyr Gln Trp Leu Gly Ala Pro Val Pro Tyr Pro Asp Pro Leu

1

5

10

15

Glu Pro Arg Arg Val Cys Leu Asn Pro Asp Cys Asp Glu Leu Ala Asp

20

25

30

His Ile Gly Phe Gln Glu Ala Tyr Arg Arg Phe Tyr Gly Pro Val

35

40

45

<210> 1094

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1094

Leu Val Val Tyr Pro Trp

1

5

<210> 1095

<211> 46

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1095

Tyr Leu Tyr Gln Trp Leu Gly Ala Pro Val Pro Tyr Pro Asp Pro Leu
 1 5 10 15
 Pro Arg Arg Val Cys Leu Asn Pro Asp Cys Asp Glu Leu Ala Asp His
 20 25 30
 Ile Gly Phe Gln Glu Ala Tyr Arg Arg Phe Tyr Gly Pro Val
 35 40 45

<210> 1096
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Peptide

<400> 1096
 Gly Phe Gln Glu Ala Tyr Arg Arg Phe Tyr Gly Pro Val
 1 5 10

<210> 1097
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Peptide

<400> 1097
 Pro Tyr Gln Glu Ala Phe Arg Arg Phe Phe Gly Pro Val
 1 5 10

<210> 1098
 <211> 48
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Peptide

<400> 1098

Val Pro Ile Tyr Glu Lys Lys Tyr Gly Gln Val Pro Met Cys Asp Ala
1 5 10 15

Gly Glu Gln Cys Ala Val Arg Lys Gly Ala Arg Ile Gly Lys Leu Cys
20 25 30

Asp Cys Pro Arg Gly Thr Ser Cys Asn Ser Phe Leu Leu Lys Cys Leu
35 40 45

<210> 1099

<211> 48

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1099

Val Pro Ile Tyr Glu Lys Lys Tyr Gly Gln Val Pro Met Cys Asp Ala
1 5 10 15

Gly Glu Gln Cys Ala Val Arg Lys Gly Ala Arg Ile Gly Lys Leu Cys
20 25 30

Asp Cys Pro Arg Gly Thr Ser Cys Asn Ser Phe Leu Leu Lys Cys Leu
35 40 45

<210> 1100

<211> 48

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1100

Val Pro Ile Tyr Glu Lys Lys Tyr Gly Gln Val Pro Met Cys Asp Ala
1 5 10 15

Gly Glu Gln Cys Ala Val Arg Lys Gly Ala Arg Ile Gly Lys Leu Cys
 20 25 30

Asp Cys Pro Arg Gly Thr Ser Cys Asn Ser Phe Leu Leu Lys Cys Leu
 35 40 45

<210> 1101
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1101
 Ala Gly Ala Thr Val Gln Val Thr Leu Asp Gly Val Pro Ala Ala Ala
 1 5 10 15

Pro Gly Gln Pro Ala Gln Leu Gln Leu Asn Ala Thr
 20 25

<210> 1102
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1102
 Phe Leu Phe Leu Phe
 1 5

<210> 1103
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1103

Ala Cys Tyr Cys Arg Ile Pro Ala Cys Ile Ala Gly Glu Arg Arg Tyr
1 5 10 15

Gly Thr Cys Ile Tyr Gln Gly Arg Leu Trp Ala Phe Cys Cys
20 25 30

<210> 1104

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1104

Met Leu Phe
1

<210> 1105

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1105

Met Leu Phe Lys
1

<210> 1106

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1106
Met Leu Phe Lys
1

<210> 1107
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1107
Trp His Val Ala Ala Asn
1 5

<210> 1108
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1108
Met Leu Thr Glu Leu Glu Lys Ala Leu Asn Ser Ile Ile Asp Val Tyr
1 5 10 15
His Lys Tyr Ser Leu Ile Lys Gly Asn
20 25

<210> 1109
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1109
His Trp Asp Thr Thr Gln Ser Leu Lys Gln Leu Glu Glu Arg Ala Ala
1 5 10 15

Trp Asn Val

<210> 1110

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1110

Gly Pro Val Ser Ala Val Leu Thr Glu Leu Arg Cys Thr Cys Leu Arg
1 5 10 15

Val Thr Leu Arg
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<210> 1111

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1111

Ile Gln Arg Thr Pro Lys Ile Gln Val Tyr Ser Arg His Pro Ala Glu
1 5 10 15

Asn Gly Lys Ser Asn
20

<210> 1112

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1112

Arg Glu Gly Ser Tyr Phe Phe Gly Asp Asn Ala

1

5

10

<210> 1113

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1113

Tyr Ser Asp Asp Glu Gly Ala Ser Trp Ser Asp Leu Asp Ile Val Ser

1

5

10

15

Phe Ser Lys

<210> 1114

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1114

Val Ala Arg Thr Leu Leu Val Phe Glu Val Gln Gln Pro Phe Leu Phe

1

5

10

15

Val Leu

<210> 1115

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1115

Asp Phe Arg Phe Leu Arg Cys Ser Thr Arg Gln Cys Trp Asn
1 5 10

<210> 1116

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1116

Cys Asn Thr Gly Gln Leu Cys Pro Val Glu
1 5 10

<210> 1117

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1117

Ser Val Asp Arg Ser Gly Asn Val His His Gln Phe Gln Lys Leu Thr
1 5 10 15

Leu Glu

<210> 1118

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1118

Leu His Glu Trp Thr Lys Pro Glu Asn Leu Asp Phe Ile Glu Val Asn
1 5 10 15

Val Leu Pro

<210> 1119

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1119

Val Leu Glu Leu Pro Tyr Gln Gly Glu Glu Leu Ser Met Val Ile Leu
1 5 10 15

Leu Pro Asp Asp Ile Glu Asp Glu Ser Thr Gly Leu Lys
20 25

<210> 1120

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1120

Thr Tyr Gly Ala Asp Leu Ala Ser Val Asp Phe Gln His Ala Ser Glu
1 5 10 15

Asp Ala Arg

<210> 1121

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

00500-8456950

<400> 1121

Glu Arg Pro Pro Leu Gln Gln Pro Pro His Arg Asp
1 5 10

<210> 1122

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1122

Tyr Glu Arg Pro Pro Leu Gln Gln Pro Pro His Arg Asp Lys Lys Pro
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys
20 25

<210> 1123

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1123

Ser Ala Leu Pro Leu Glu Ser Gly Pro Thr Gly Gln Asp Ser Val Gln
1 5 10 15

Asp Ala Thr Gly
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<210> 1124

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1124
Thr Gly Leu Leu Thr Phe Leu Ala Trp Trp His Glu Trp Ala Ser Gln
1 5 10 15

Asp Ser Ser Ser Thr Ala Phe Glu Gly Gly Thr Pro Glu Leu Ser
20 25 30

<210> 1125
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1125
Arg Gly Asp Cys
1

<210> 1126
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1126
Arg Gly Asp Ser
1

<210> 1127
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1127
Arg Gly Asp Val
1

<210> 1128
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1128
Arg Gly Glu Ser
1

<210> 1129
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1129
Gly Arg Gly Asp Ser Pro Ala
1 5

<210> 1130
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1130
Arg Gly Asp Phe Val
1 5

<210> 1131
<211> 12
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1131

Pro Leu Tyr Lys Lys Ile Ile Lys Lys Leu Leu Ser
1 5 10

<210> 1132

<211> 49

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1132

Glu Cys Glu Ser Gly Pro Cys Cys Arg Asn Cys Lys Phe Leu Lys Glu
1 5 10 15

Gly Thr Ile Cys Lys Arg Ala Arg Gly Asp Asp Met Asp Asp Tyr Cys
20 25 30

Asn Gly Lys Thr Cys Asp Cys Pro Arg Asn Pro His Lys Gly Pro Ala
35 40 45

Thr

<210> 1133

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1133

Gly Arg Ala Asp Ser Pro Lys
1 5

<210> 1134

<211> 37
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1134

Phe Asn Lys His Thr Glu Ile Ile Glu Glu Asp Thr Asn Lys Asp Lys
1 5 10 15

Pro Ser Tyr Gln Phe Gly Gly His Asn Ser Val Asp Phe Glu Glu Asp
20 25 30

Thr Leu Pro Lys Val
35

<210> 1135
<211> 16
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1135

Ala Asp Ser Gly Glu Gly Asp Phe Leu Ala Glu Gly Gly Gly Val Arg
1 5 10 15

<210> 1136
<211> 17
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1136

Tyr Ala Asp Ser Gly Glu Gly Asp Phe Leu Ala Glu Gly Gly Gly Val
1 5 10 15

Arg

<210> 1137
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1137
Gly Val Asn Asp Asn Glu Glu Gly Phe Phe Ser Ala Arg
1 5 10

<210> 1138
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1138
Glu Gly Val Asn Asp Asn Glu Glu Gly Phe Phe Ser Ala Arg
1 5 10

<210> 1139
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1139
Gly Val Asn Asp Asn Glu Glu Gly Phe Phe Ser Ala Arg Tyr
1 5 10

<210> 1140
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1140

Tyr Glu Lys Pro Gly Ser Pro Pro Arg Glu Val Val Pro Arg Pro Arg
1 5 10 15

Gly Val

<210> 1141

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1141

Trp Gln Pro Pro Arg Ala Arg Ile
1 5

<210> 1142

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1142

Glu Ile Leu Asp Val
1 5

<210> 1143

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 1143

Glu Ile Leu Asp Val Pro Ser Thr

1

5

<210> 1144

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1144

Gly Arg Ala Asp Ser Pro

1

5

<210> 1145

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1145

Gly Arg Gly Asp Ser

1

5

<210> 1146

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1146

Gly Arg Gly Asp Ser Pro

1

5

<210> 1147
<211> 7
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1147

Gly Arg Gly Asp Ser Pro Cys
1 5

<210> 1148

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1148

Gly Arg Gly Asp Thr Pro
1 5

<210> 1149

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1149

Gly Arg Gly Glu Ser
1 5

<210> 1150

<211> 6

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1150
Gly Arg Gly Glu Ser Pro
1 5

<210> 1151
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1151
Gly Gly Asp Ser Pro
1 5

<210> 1152
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1152
Gly Gln Gln His His Leu Gly Gly Ala Lys Gln Ala Gly Asp Val
1 5 10 15

<210> 1153
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1153
Gly Pro Arg

1

<210> 1154

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1154

Gly Arg Gly Asp Ser Pro Ala Ser Ser Lys

1

5

10

<210> 1155

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1155

Gly Gly Arg Gly Asp Ser Pro Cys Ala

1

5

<210> 1156

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1156

Gly Arg Gly Asp Ser Pro

1

5

<210> 1157

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1157

Gly Arg Gly Asp Asn Pro
1 5

<210> 1158

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1158

Trp Gln Pro Pro Arg Ala Arg Ile
1 5

<210> 1159

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1159

Tyr Ile Gly Ser Arg
1 5

<210> 1160

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1160
Leu Asp Val
1

<210> 1161
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1161
Leu Asp Val Pro Ser
1 5

<210> 1162
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1162
Lys Gly Asp Ser
1

<210> 1163
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1163
Gly Ala Val Ser Thr Ala
1 5

<210> 1164

<211> 6
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1164

Trp Thr Val Pro Thr Ala

1

5

<210> 1165

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1165

Arg Gly Asp Ser Pro

1

5

<210> 1166

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1166

Thr Asp Val Asn Gly Asp Gly Arg His Asp Leu

1

5

10

<210> 1167

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 1167
Arg Glu Asp Val
1

<210> 1168
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1168
Arg Gly Asp Ser Pro Ala Ser Ser Lys Pro
1 5 10

<210> 1169
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1169
Arg Gly Asp Thr
1

<210> 1170
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1170
Arg Asp Ser
1

<210> 1171
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1171
Ser Asp Gly Arg Gly
1 5

<210> 1172
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1172
Ser Asp Gly Arg
1

<210> 1173
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1173
Tyr Arg Gly Asp Ser
1 5

<210> 1174
<211> 42
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1174

Tyr Ala Lys Leu Leu Gly His Gln Asn Leu Lys Gln Lys Ile Lys His
1 5 10 15

Val Val Lys Leu Lys Asp Glu Asn Ser Gln Leu Lys Ser Glu Val Ser
20 25 30

Lys Leu Arg Cys Gln Leu Ala Lys Lys Lys
35 40

<210> 1175

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1175

Phe Met Arg Phe
1

<210> 1176

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1176

Phe Met Arg Phe
1

<210> 1177

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1177

Phe Met Arg Phe

1

<210> 1178

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1178

Phe Met Arg Phe

1

<210> 1179

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1179

Leu Pro Leu Arg Phe

1

5

<210> 1180

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1180

Tyr Leu Pro Leu Arg Phe

5

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1181

Trp Arg Phe

1

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1182

Tyr Phe Met Arg Phe

1

5

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1183

Tyr Met Arg Phe

1

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1184

Ser Asp Arg Asn Phe Leu Arg Phe
1 5

<210> 1185

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1185

Ser Asp Arg Asn Phe Leu Arg Phe
1 5

<210> 1186

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1186

Asp Pro Phe Leu Arg Phe
1 5

<210> 1187

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1187

Glu Ile Leu Glu Val Pro Ser Thr

1

5

<210> 1188

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1188

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro His Ala Val

1

5

10

15

Gly Asn His Arg Ser Phe Ser Asp Lys Asn Gly Leu Thr Ser

20

25

30

<210> 1189

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1189

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro His Ala Val

1

5

10

15

Gly Asn His

<210> 1190

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1190

Met Ala Arg Gly Ser Ala Leu Leu Leu Ala Ser Leu Leu Leu Ala Ala
1 5 10 15

Ala Leu Ser Ala Ser Ala Gly Leu Trp Ser Pro Ala Lys Glu
20 25 30

<210> 1191

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1191

Glu Leu Arg Pro Glu Asp Asp Met Lys Pro Gly Ser Phe Asp Arg Ser
1 5 10 15

Ile Pro Glu Asn Asn Ile Met Arg
20

<210> 1192

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1192

Thr Ile Ile Glu Phe Leu Ser Phe Leu His Leu Lys Glu Ala Gly Ala
1 5 10 15

Leu Asp Arg Leu Leu Asp Leu Pro Ala Ala Ala Ser Ser Glu Asp Ile
20 25 30

Glu Arg Ser
35

<210> 1193

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1193

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro His Ala Ile
1 5 10 15

Asp Asn His Arg Ser Phe His Asp Lys Tyr Gly Leu Ala
20 25

<210> 1194

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1194

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro His Ala Ile
1 5 10 15

<210> 1195

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1195

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro His Ala Ile
1 5 10 15

Asp Asn His Arg Ser Phe Ser Asp Lys His Gly Leu Thr
20 25

<210> 1196

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1196

Thr Lys Glu Lys Arg Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu
1 5 10 15

Gly Pro His Ala Ile Asp Asn His Arg Ser Phe Ser Asp Lys His Gly
20 25 30

Leu Thr Gly Lys Arg Glu Leu Pro
35 40

<210> 1197

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1197

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro Pro Pro Gly
1 5 10 15

Phe Ser Pro Phe Arg
20

<210> 1198

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1198

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro Pro Pro Ala
1 5 10 15

Leu Ala Leu Ala

<210> 1199
 <211> 24
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1199
 Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro Arg Pro Lys
 1 5 10 15
 Pro Gln Gln Trp Phe Trp Leu Leu
 20

<210> 1200
 <211> 41
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1200
 Glu Leu Glu Pro Glu Asp Glu Ala Arg Pro Gly Gly Phe Asp Arg Leu
 1 5 10 15
 Gln Ser Glu Asp Lys Ala Ile Arg Thr Ile Met Glu Phe Leu Ala Phe
 20 25 30
 Leu His Leu Lys Glu Ala Gly Ala Leu
 35 40

<210> 1201
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1201

Leu Gln Ser Glu Asp Lys Ala Ile Arg Thr Ile Met Glu Phe Leu Ala
1 5 10 15

Phe Leu His Leu Lys Glu Ala Gly Ala Leu
20 25

<210> 1202

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1202

Thr Ile Met Glu Phe Leu Ala Phe Leu His Leu Lys Glu Ala Gly Ala
1 5 10 15

Leu

<210> 1203

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1203

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro Gln Gln Phe
1 5 10 15

Phe Gly Leu Met
20

<210> 1204

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1204

Gly Trp Thr Leu Asn Thr Ala Trp Trp Leu Leu Gly Pro His Ala
1 5 10 15

<210> 1205

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1205

Gly Trp Thr Leu Asn Thr Ala Trp Trp Leu Leu Gly Pro His Ala
1 5 10 15

<210> 1206

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1206

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro Pro Pro Ala
1 5 10 15

Leu Ala Leu Ala

20

<210> 1207

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1207

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro Arg Pro Lys
1 5 10 15

Pro Gln Gln Trp Phe Trp Leu Leu
20

<210> 1208

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1208

Asp Glu Pro Asn Ser Asp Gln Phe Ile Gly Leu Met
1 5 10

<210> 1209

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1209

Lys Lys Lys Asp Lys Val Lys Lys Gly Gly Pro Gly Ser Glu Cys Ala
1 5 10 15

Glu Trp Ala Trp Gly Pro Cys Thr Pro Ser Ser Lys Asp Cys Gly Val
20 25 30

Gly Phe Arg Glu Gly Thr Cys Gly Ala Gln Thr Gln Arg Ile Arg Cys
35 40 45

Arg Val Pro Cys Asn Trp Lys Lys Glu Phe Gly Ala Asp Cys Lys Lys
50 55 60

Phe Glu Asn Trp Gly Ala Cys Asp Gly Gly Thr Gly Thr Lys Val Arg
65 70 75 80

Gln Gly Thr Leu Lys Lys Ala Arg Tyr Asn Ala Gln Cys Gln Glu Thr
85 90 95

Ile Arg Val Thr Lys Pro Cys Thr Pro Lys Thr Lys Ala Lys Ala Lys
100 105 110

Ala Lys Lys Gly Lys Gly Lys Asp
115 120

<210> 1210

<211> 61

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1210

Ala Asp Cys Lys Lys Phe Glu Asn Trp Gly Ala Cys Asp Gly Gly Thr
1 5 10 15

Gly Thr Lys Val Arg Gln Gly Thr Leu Lys Lys Ala Arg Tyr Asn Ala
20 25 30

Gln Cys Gln Glu Thr Ile Arg Val Thr Lys Pro Cys Thr Pro Lys Thr
35 40 45

Lys Ala Lys Ala Lys Ala Lys Lys Gly Lys Gly Lys Asp
50 55 60

<210> 1211

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1211

Cys His Ser Gly Tyr Val Gly Val Arg Cys
1 5 10

<210> 1212

005060 34922960

<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1212
Ala Asn Phe Leu Val Trp Glu Ile Val Arg Lys Lys Pro
1 5 10

<210> 1213
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1213
Val Val Ser His Phe Asn Asp Cys Pro Asp Ser His Thr Gln Phe Cys
1 5 10 15

Phe His Gly Thr Cys Arg Phe Leu Val Gln Glu Asp Lys Pro Ala Cys
20 25 30

Val Cys His Ser Gly Tyr Val Gly Ala Arg Cys Glu His Ala Asp Leu
35 40 45

Leu Ala
50

<210> 1214
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1214
Val Val Ser His Phe Asn Lys Cys Pro Asp Ser His Thr Gln Tyr Cys
1 5 10 15

Phe His Gly Thr Cys Arg Phe Leu Val Gln Glu Glu Lys Pro Ala Cys
20 25 30

Val Cys His Ser Gly Tyr Val Gly Val Arg Cys Glu His Ala Asp Leu
35 40 45

Leu Ala
50

<210> 1215

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1215

Cys His Ser Gly Tyr Val Gly Val Arg Cys
1 5 10

<210> 1216

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1216

Cys His Ser Gly Tyr Val Gly Val Arg Cys
1 5 10

<210> 1217

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1217

Pro Pro Gly His Phe Lys

1

5

<210> 1218

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1218

Arg Thr Gly Gln Tyr Lys

1

5

<210> 1219

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1219

Phe Asn Leu Pro Leu Gly Asn Tyr Lys Lys Pro

1

5

10

<210> 1220

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1220

Pro Ala Leu Pro Glu Asp Gly Gly Ser Gly Ala Phe Pro Pro Gly His

1

5

10

15

Phe Lys Asp Pro Lys Arg Leu Tyr

20

<210> 1221
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1221
His Ala Glu Lys His Trp Phe Val Gly Leu
1 5 10

<210> 1222
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1222
Cys Met His Ile Glu Ser Leu Asp Ser Tyr Thr Cys
1 5 10

<210> 1223
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1223
Asp Val Val Asp Ala Asp Glu Tyr Leu Ile Pro Gln
1 5 10

<210> 1224
<211> 12
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1224

Cys Tyr Ala Ala Pro Leu Lys Pro Ala Lys Ser Cys
1 5 10

<210> 1225

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1225

Tyr Phe Asn Lys Pro Thr Gly Tyr Gly Ser Ser Ser Arg Arg Ala Pro
1 5 10 15

Gln Thr

<210> 1226

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1226

Ala Leu Leu Glu Thr Tyr Cys Ala Thr Pro Ala Lys Ser Glu
1 5 10

<210> 1227

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 1227

Gly Tyr Gly Ser Ser Ser Arg Arg Ala Pro Gln Thr
1 5 10

<210> 1228

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1228

Ser Arg Val Ser Arg Arg Ser Arg
1 5

<210> 1229

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1229

Tyr Ser Arg Val Ser Arg Arg Ser Arg
1 5

<210> 1230

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1230

Gly His Lys
1

<210> 1231

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1231

Ser Val Arg Val Glu Gln Val Val Lys Pro Pro Gln Asp Lys Thr Glu
1 5 10 15

Ser Glu Asn Thr Ser Asp
20

<210> 1232

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1232

Gly Lys Lys Glu Lys Pro Glu Lys Lys Val Lys Lys Ser Asp Cys Gly
1 5 10 15

Glu Trp Gln Trp Ser Val Cys Val
20

<210> 1233

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1233

Ser Phe Leu Pro Ser Ser
1 5

<210> 1234
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1234
Ser Ala Gln Thr Asn Arg His Ile Leu Arg Phe Asn Arg Pro Phe
1 5 10 15

<210> 1235
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1235
Ile Pro Val Lys Gln Ala Val His Gly Gln Phe Leu Leu Pro Lys Gln
1 5 10 15

Glu Lys

<210> 1236
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1236
Leu Ala Gly Glu Thr Gly Gln Glu Ala Ala Pro Leu Asp Gly Val Leu
1 5 10 15

Ala Asn

<210> 1237

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1237

Ala Leu Lys Arg Gln Gly Arg Thr Leu Tyr Gly Phe Gly Gly
1 5 10

<210> 1238

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1238

Gly Met Asp Val Leu Gly Arg Pro Lys Ile Pro Leu Glu Thr Pro Ala
1 5 10 15

Tyr Thr Gly Gln Pro Trp His Cys Gln His Cys Phe Leu Leu
20 25 30

<210> 1239

<211> 43

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1239

Met Asn Thr Ile Thr Ile Cys Lys Phe Asp Val Leu Asp Ala Glu Leu
1 5 10 15

Leu Ser Thr Val Glu Gly Gly Tyr Ser Gly Lys Asp Cys Leu Lys Asp
20 25 30

Met Gly Gly Tyr Ala Leu Ala Gly Ala Gly Ser
35 40

<210> 1240

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1240

Gly Ala Asp Lys Thr Val Lys Gly Pro Asp Gly Leu Thr Ala Leu Glu
1 5 10 15

Ala Thr Asp Asn Gln Ala Ile Asp Tyr Gly Gly Phe Met Glu Val Val
20 25 30

Tyr Val Asp Ala Thr Lys
35

<210> 1241

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1241

Cys Lys Gln Leu Gln Arg Asp Arg Gln Val Tyr Arg Ala Thr His Arg
1 5 10 15

<210> 1242

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1242

Cys Glu Gly Asn Val Arg Val Ser Arg Glu Leu Ala Gly His Thr Gly
 1 5 10 15

Tyr

<210> 1243

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1243

Cys Gly Ala Gly Glu Ser Gly Lys Ser Thr Ile Val Lys Gln Met Lys
 1 5 10 15

<210> 1244

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1244

Cys Asn Leu Lys Glu Asp Gly Ile Ser Ala Ala Lys Asp Val Lys
 1 5 10 15

<210> 1245

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1245

Cys Lys Gln Leu Gln Lys Asp Lys Gln Val Tyr Arg Ala Thr His Arg
 1 5 10 15

<210> 1246
 <211> 11
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1246
 Glu Glu Gln Gly Met Leu Pro Glu Asp Leu Ser
 1 5 10

<210> 1247
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1247
 Pro Gly Thr Cys Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
 1 5 10 15

<210> 1248
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1248
 Pro Asn Thr Cys Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
 1 5 10 15

<210> 1249
 <211> 16
 <212> PRT
 <213> Artificial Sequence

005000-84566960

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1249

Asn Asp Asp Cys Glu Leu Cys Val Asn Val Ala Cys Thr Gly Cys Leu
1 5 10 15

<210> 1250

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1250

Ser Thr Pro Leu Met Ser Trp Pro Trp Ser Pro Ser Ala Leu Arg Leu
1 5 10 15

Leu Gln Arg Pro Pro Glu Glu Pro Ala Ala His Ala Asn Cys His Arg
20 25 30

<210> 1251

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1251

Tyr Ser Thr Pro Leu Met Ser Trp Pro Trp Ser Pro Ser Ala Leu Arg
1 5 10 15

Leu Leu Gln Arg Pro Pro Glu Glu Pro Ala Ala His Ala Asn Cys His
20 25 30

Arg

<210> 1252

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1252

His Asn Lys Gln Glu Gly Arg Asp His Asp Lys Ser Lys Gly His Phe
1 5 10 15

His Arg Val Val Ile His His Lys Gly Gly Lys Ala His Arg Gly
20 25 30

<210> 1253

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1253

Tyr His Asn Lys Gln Glu Gly Arg Asp His Asp Lys Ser Lys Gly His
1 5 10 15

Phe His Arg Val Val Ile His His Lys Gly Gly Lys Ala His Arg Gly
20 25 30

<210> 1254

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1254

Ser Thr Ala Pro Leu Pro Trp Pro Trp Ser Pro Ala Ala Leu Arg Leu
 1 5 10 15

Leu Gln Arg Pro Pro Glu Glu Pro Ala Val His Ala Asp Cys His Arg
 20 25 30

<210> 1255
 <211> 33
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1255
 Tyr Ser Thr Ala Pro Leu Pro Trp Pro Trp Ser Pro Ala Ala Leu Arg
 1 5 10 15

Leu Leu Gln Arg Pro Pro Glu Glu Pro Ala Val His Ala Asp Cys His
 20 25 30

Arg

<210> 1256
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1256
 Val Gln Gly Glu Thr Ser Asn Asp Lys Ile Pro Val Ala Leu Gly Leu
 1 5 10 15

Lys

<210> 1257

005060-61522900

<211> 72
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1257

Ala Pro Val Ala Asn Glu Leu Arg Cys Gln Cys Leu Gln Thr Val Ala
1 5 10 15

Gly Ile His Phe Lys Asn Ile Gln Ser Leu Lys Val Met Pro Pro Gly
20 25 30

Pro His Cys Thr Gln Thr Glu Val Ile Ala Thr Leu Lys Asn Gly Arg
35 40 45

Glu Ala Cys Leu Asp Pro Glu Ala Pro Met Val Gln Lys Ile Val Gln
50 55 60

Lys Met Leu Lys Gly Val Pro Lys
65 70

<210> 1258

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1258

Val Gln Gly Glu Glu Ser Asn Asp Lys
1 5

<210> 1259

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1259

Ile Leu Asn Gly Ile Asn Asn Tyr Lys Asn Pro Lys Leu
1 5 10

<210> 1260

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1260

Phe Val Gln Gly Glu Ala Ile Pro Met Ser Ile Pro Pro Glu Asp Lys
1 5 10 15

Ile Pro Val Ala Leu Gly
20

<210> 1261

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1261

Ala Pro Val Pro Pro Gly Glu Asp Ser Lys Asp Val Ala
1 5 10

<210> 1262

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1262

Met Val Lys Gln Ile Glu Ser Lys Thr Ala Phe Gln Glu Ala Leu Asp
1 5 10 15

Ala Ala Gly Asp Lys
20

<210> 1263
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1263
Ala Tyr Val His Asp Ala Pro Val Arg Ser
1 5 10

<210> 1264
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1264
Pro Arg Lys Leu Tyr Asp Lys
1 5

<210> 1265
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1265
Tyr Thr Thr Asn Pro Arg Lys Leu Tyr Asp Tyr Lys
1 5 10

<210> 1266

005060-8456360

<211> 24
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1266

Arg Asn Pro Asp Gly Asp Val Gly Gly Pro Trp Ala Tyr Thr Thr Asn
1 5 10 15

Pro Arg Lys Leu Tyr Asp Tyr Lys
20

<210> 1267

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1267

Arg Asn Pro Asp Gly Asp Val Gly Gly Pro Trp Lys
1 5 10

<210> 1268

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1268

Pro Arg Lys Leu Tyr Asp Tyr Lys
1 5

<210> 1269

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1269

Tyr Thr Thr Asn Pro Arg Lys Leu Tyr Asp Tyr Lys

1

5

10

<210> 1270

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1270

Tyr Thr Thr Asn Pro Arg Lys Leu Tyr Asp Tyr

1

5

10

<210> 1271

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1271

Arg Asn Pro Asp Gly Asp Val Gly Gly Pro Trp Ala Tyr Thr Thr Asn

1

5

10

15

Pro Arg Lys Leu Tyr Asp Tyr Lys

20

<210> 1272

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 1272

Arg Asn Pro Asp Gly Asp Val Gly Gly Pro Trp Ala Tyr Thr Thr Asn
1 5 10 15

Pro Arg Lys Leu Tyr Asp Tyr

20

<210> 1273

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1273

Arg Lys Leu Tyr Asp Tyr Lys
1 5

<210> 1274

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1274

Arg Lys Leu Tyr Asp Tyr
1 5

<210> 1275

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1275

Pro Arg Lys Leu Tyr Asp Lys

1

5

<210> 1276

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1276

Pro Arg Lys Leu Tyr Asp

1

5

<210> 1277

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1277

Pro Arg Lys Leu Tyr Asp Tyr Lys

1

5

<210> 1278

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1278

Asp Gly Glu Ala

1

<210> 1279

<211> 6

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1279

Leu Gly Thr Ile Pro Gly
1 5

<210> 1280

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1280

Asn Ile Ser Ser Glu Glu Lys Ala Ser Trp Thr Arg Pro Glu Lys Gln
1 5 10 15

Glu Thr Leu Asp Gly His Met
20

<210> 1281

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1281

Phe Asn Leu Asp Val Arg Phe Leu Val Val Lys Glu Ala Val Asn Pro
1 5 10 15

Gly

<210> 1282

<211> 17

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1282

Ala Pro Arg Gln Arg Gln Thr Leu Val Leu Phe Pro Gly Asp Leu Arg
1 5 10 15

Thr

<210> 1283

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1283

Cys Ser Cys Ser Pro Val His Pro Gln Gln Ala Phe Cys Asn Ala Asp
1 5 10 15

Val Val Ile Arg Ala Lys Ala Val
20

<210> 1284

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1284

Cys Ser Cys Ser Pro Val His Pro Gln Gln Ala Phe Cys Asn Ala Asp
1 5 10 15

Val Val Ile Arg Ala Lys Ala Val
20

<210> 1285
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1285
Asn Val Ile Gln Ile Ser Asn Asp Leu Glu Asn Leu Arg
1 5 10

<210> 1286
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1286
Val Pro Ile Gln Lys Val Gln Asp Asp Thr Lys Thr Leu Ile Lys Thr
1 5 10 15

Ile Val Thr Arg Ile Asn Asp Ile Ser His Thr Gln Ser Val Ser Ser
20 25 30

Lys Gln Lys
35

<210> 1287
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1287
Tyr Lys Val Gln Asp Asp Thr Lys Thr Leu Ile Lys Thr Ile Val
1 5 10 15

<210> 1288
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1288
Ser Cys Ser Leu Pro Gln Thr Ser Gly Leu Gln Lys Pro Glu Ser
1 5 10 15

<210> 1289
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1289
Glu Asp Val Asp His Val Phe Leu Arg Phe
1 5 10

<210> 1290
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1290
Thr Ser Phe Thr Pro Arg Leu
1 5

<210> 1291
<211> 8
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1291

Asp Pro Ala Phe Asn Ser Trp Gly
1 5

<210> 1292

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1292

Asp Pro Gly Phe Ser Ser Trp Gly
1 5

<210> 1293

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1293

Asp Gln Gly Phe Asn Ser Trp Gly
1 5

<210> 1294

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1294

Asp Ala Ser Phe His Ser Trp Gly

1

5

<210> 1295

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1295

Gly Ser Gly Phe Ser Ser Trp Gly

1

5

<210> 1296

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1296

Asp Pro Ala Phe Ser Ser Trp Gly

1

5

<210> 1297

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1297

Gly Ala Ser Phe Tyr Ser Trp Gly

1

5

<210> 1298

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1298

Ile Ile Gly Gly Arg Glu Ser Arg Pro His
1 5 10

<210> 1299

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1299

His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln
1 5 10 15

Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu Gly Lys Arg Tyr Lys
20 25 30

Gln Arg Val Lys Asn Lys
35

<210> 1300

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1300

His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Arg Gln
1 5 10 15

Leu Ala Val Arg Arg Tyr Leu Ala Ala Val Leu Gly Lys Arg
20 25 30

<210> 1301

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1301

Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Met Ala Val Lys Lys Tyr
1 5 10 15

Leu Ala Ala Val Leu
20

<210> 1302

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1302

His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln
1 5 10 15

Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu Gly Lys Arg Tyr Lys
20 25 30

Gln Arg Ile Lys Asn Lys
35

<210> 1303

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1303

His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln

1

5

10

15

Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu
20 25

<210> 1304

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1304

Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln Met Ala Val Lys Lys
1 5 10 15

Tyr Leu Ala Ala Val Leu
20

<210> 1305

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1305

His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln
1 5 10 15

Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu Gly Lys Arg Tyr Lys
20 25 30

Gln Arg Val Lys Asn Lys
35

<210> 1306

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1306

Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln Met Ala Val Lys Lys
1 5 10 15

Tyr Leu Ala Ala Val Leu Gly Lys Arg Tyr Lys Gln Arg Val Lys Asn
20 25 30

Lys

<210> 1307

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1307

Gln Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu Gly Lys Arg Tyr
1 5 10 15

Lys Gln Arg Val Lys Asn Lys
20

<210> 1308

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1308

Gly Lys Arg Tyr Lys Gln Arg Val Lys Asn Lys
1 5 10

<210> 1309

<211> 8

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1309

Tyr Lys Gln Arg Val Lys Asn Lys
1 5

<210> 1310

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1310

Asp Val Ala His Gly Ile Leu Asn Glu Ala Tyr Arg Lys Val Leu Asp
1 5 10 15

Gln Leu Ser Ala Gly Lys His Leu Gln Ser Leu Val Ala
20 25

<210> 1311

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1311

Asp Val Ala His Glu Ile Leu Asn Glu Ala Tyr Arg Lys Val Leu Asp
1 5 10 15

Gln Leu Ser Ala Arg Lys Tyr Leu Gln Ser Met Val Ala
20 25

<210> 1312

<211> 20

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1312

Ser Asp Glu Asp Ser Asp Gly Asp Arg Pro Gln Ala Ser Pro Gly Leu
1 5 10 15

Gly Pro Gly Pro
20

<210> 1313

<211> 52

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1313

Gly Glu Ser Arg Ser Glu Ala Leu Ala Val Asp Gly Ala Gly Lys Pro
1 5 10 15

Gly Ala Glu Glu Ala Gln Asp Pro Glu Gly Lys Gly Glu Gln Glu His
20 25 30

Ser Gln Gln Lys Glu Glu Glu Glu Glu Met Ala Val Val Pro Gln Gly
35 40 45

Leu Phe Arg Gly
50

<210> 1314

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1314

Pro Glu Gly Lys Gly Glu Gln Glu His Ser Gln Gln Lys Glu Glu Glu
 1 5 10 15

Glu Glu Met Ala Val Val Pro Gln Gly Leu Phe Arg Gly
 20 25

<210> 1315
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Peptide

<400> 1315
 Glu Glu Glu Glu Glu Met Ala Val Val Pro Gln Gly Leu Phe Arg Gly
 1 5 10 15

<210> 1316
 <211> 49
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Peptide

<400> 1316
 Gly Trp Pro Gln Ala Pro Ala Met Asp Gly Ala Gly Lys Thr Gly Ala
 1 5 10 15

Glu Glu Ala Gln Pro Pro Glu Gly Lys Gly Ala Arg Glu His Ser Arg
 20 25 30

Gln Glu Glu Glu Glu Glu Thr Ala Gly Ala Pro Gln Gly Leu Phe Arg
 35 40 45

Gly

<210> 1317
 <211> 48
 <212> PRT
 <213> Artificial Sequence

005000-8436360

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1317

Gly Trp Pro Gln Ala Pro Ala Asp Gly Ala Gly Lys Thr Gly Ala Glu
1 5 10 15

Glu Ala Gln Pro Pro Glu Gly Lys Gly Ala Arg Glu His Ser Arg Gln
20 25 30

Glu Glu Glu Glu Glu Thr Ala Gly Ala Pro Gln Gly Leu Phe Arg Gly
35 40 45

<210> 1318

<211> 49

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1318

Tyr Gly Trp Pro Gln Ala Pro Ala Asp Gly Ala Gly Lys Thr Gly Ala
1 5 10 15

Glu Glu Ala Gln Pro Pro Glu Gly Lys Gly Ala Arg Glu His Ser Arg
20 25 30

Gln Glu Glu Glu Glu Glu Thr Ala Gly Ala Pro Gln Gly Leu Phe Arg
35 40 45

Gly

<210> 1319

<211> 50

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1319

Tyr Gly Trp Pro Gln Ala Pro Ala Met Asp Gly Ala Gly Lys Thr Gly
1 5 10 15

Ala Glu Glu Ala Gln Pro Pro Glu Gly Lys Gly Ala Arg Glu His Ser
20 25 30

Arg Gln Glu Glu Glu Glu Glu Thr Ala Gly Ala Pro Gln Gly Leu Phe
35 40 45

Arg Gly
50

<210> 1320

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1320

Leu Ser Phe Arg Ala Pro Ala Tyr Gly Phe Arg Gly Pro Gly Leu Gln
1 5 10 15

Leu Arg Arg

<210> 1321

<211> 51

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1321

Asp Asp Gly Gln Ser Glu Ser Gln Ala Val Asn Gly Lys Thr Gly Ala
1 5 10 15

Ser Glu Ala Val Pro Ser Glu Gly Lys Gly Glu Leu Glu His Ser Gln

20

25

30

Gln Glu Glu Asp Gly Glu Glu Ala Met Ala Gly Pro Pro Gln Gly Leu
 35 40 45

Phe Pro Gly
 50

<210> 1322

<211> 52

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1322

Tyr Asp Asp Gly Gln Ser Glu Ser Gln Ala Val Asn Gly Lys Thr Gly
 1 5 10 15

Ala Ser Glu Ala Val Pro Ser Glu Gly Lys Gly Glu Leu Glu His Ser
 20 25 30

Gln Gln Glu Glu Asp Gly Glu Glu Ala Met Ala Gly Pro Pro Gln Gly
 35 40 45

Leu Phe Pro Gly
 50

<210> 1323

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1323

Gly Glu Leu Glu His Ser Gln Gln Glu Glu Asp Gly Glu Glu Ala Met
 1 5 10 15

Ala Gly Pro Pro Gln Gly Leu Phe Pro Gly
 20 25

005000-24522900

<210> 1324
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1324
Gln Glu Glu Glu Glu Glu Thr Ala Gly Ala Pro Gln Gly Leu Phe Arg
1 5 10 15

Gly

<210> 1325
<211> 2
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1325
Pro Gly
1

<210> 1326
<211> 1
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1326
Lys
1

<210> 1327
<211> 4

00500-345000

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1327
Gly Phe Ala Asp
1

<210> 1328
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1328
Asp Tyr Val Pro Met Leu
1 5

<210> 1329
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1329
Asp Tyr Val Pro Met Leu
1 5

<210> 1330
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1330

Gln Lys Arg Pro Ser Gln Arg Ser Lys Tyr Leu

1 5 10

<210> 1331

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1331

Pro Leu Ser Arg Thr Leu Ser Val Ala Ala Lys Lys

1 5 10

<210> 1332

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1332

Ala Arg Arg Pro Glu Gly Arg Thr Trp Ala Gln Pro Gly Tyr

1 5 10

<210> 1333

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1333

Arg Gly Tyr Ser Leu Gly

1 5

<210> 1334
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1334
Lys Lys Ala Leu Arg Arg Gln Glu Ala Val Asp Ala Leu
1 5 10

<210> 1335
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1335
Ile Thr Ser Phe Glu Glu Ala Lys Gly Leu Asp Arg Ile Asn Glu Arg
1 5 10 15

Met Pro Pro Arg Arg Asp Ala Met Pro
20 25

<210> 1336
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1336
Leu Lys Lys Phe Asn Ala Arg Arg Lys Leu Lys Gly Ala Ile Leu Thr
1 5 10 15

Thr Met Leu Ala
20

<210> 1337
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1337
Pro Leu Ser Arg Thr Leu Ser Val Ser Ser
1 5 10

<210> 1338
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1338
Pro Leu Arg Arg Thr Leu Ser Val Ala Ala
1 5 10

<210> 1339
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1339
Leu Gln Asn Arg Arg Gly Leu Asp Leu Leu Phe Leu Lys Glu Gly Gly
1 5 10 15

Leu

<210> 1340
<211> 8
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1340

Cys Leu Arg Arg Ala Ser Leu Gly
1 5

<210> 1341

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1341

Phe Lys Lys Ser Phe Lys Leu
1 5

<210> 1342

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1342

Lys Lys Ala Leu His Arg Gln Glu Thr Val Asp Ala Leu
1 5 10

<210> 1343

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1343

Lys Arg Thr Leu Arg Arg

1

5

<210> 1344

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1344

Arg Thr Lys Arg Ser Gly Ser Val Tyr Glu Pro Leu Lys Ile

1

5

10

<210> 1345

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1345

Gly Ile Gly Ala Val Leu Lys Val Leu Thr Thr Gly Leu Pro Ala Leu

1

5

10

15

Ile Ser Trp Ile Lys Arg Lys Arg Gln Gln

20

25

<210> 1346

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1346

Arg Arg Lys Ala Ser Gly Pro Pro Val

1

5

<210> 1347

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1347

Arg Phe Ala Arg Lys Gly Ala Leu Arg Gln Lys Asn Val His Glu Val
1 5 10 15

Lys

<210> 1348

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1348

Arg Phe Ala Arg Lys Gly Ala Leu Glu Gln Lys Asn Val His Glu Val
1 5 10 15

Lys Asn

<210> 1349

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1349

Ser Phe Val Asn Ser Glu Phe Leu Lys Pro Glu Val Lys Ser
1 5 10

<210> 1350

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1350

Ser Tyr Thr Asn Pro Glu Phe Val Ile Asn Val

1

5

10

<210> 1351

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1351

Ala Gly Asn Lys Val Ile Ser Pro Ser Glu Asp Arg Arg Gln Cys

1

5

10

15

<210> 1352

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1352

Gly Pro Lys Thr Pro Glu Glu Lys Thr Ala Asn Thr Ile Ser Lys Phe

1

5

10

15

Asp Cys

<210> 1353

<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1353
Leu Leu Tyr Glu Met Leu Ala Gly Gln Ala Pro Phe Glu Gly Glu Asp
1 5 10 15

Glu Asp Glu Leu Phe Gln Ser Ile Met Glu His Asn Val
20 25

<210> 1354
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1354
Asn Tyr Pro Leu Glu Leu Tyr Glu Arg Val Arg Thr Gly Cys
1 5 10

<210> 1355
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1355
Val Arg Lys Arg Thr Leu Arg Arg Leu
1 5

<210> 1356
<211> 8
<212> PRT
<213> Artificial Sequence

005000-87522900

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1356

Cys Asp Asn Gln Ile Lys Lys Met

1

5

<210> 1357

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1357

Ile Tyr Gly Glu Phe

1

5

<210> 1358

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1358

Ile Tyr Gly Glu Phe

1

5

<210> 1359

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1359

Thr Tyr Ala Asp Phe Ile Ala Ser Gly Arg Thr Gly Arg Arg Asn Ala
1 5 10 15

Ile

<210> 1360

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1360

Gln Lys Arg Pro Ser Gln Arg Ser Lys Tyr Leu
1 5 10

<210> 1361

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1361

Arg Arg Glu Glu Glu Thr Glu Glu Glu
1 5

<210> 1362

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1362

Arg Arg Lys Ala Ser Gly Pro
1 5

<210> 1363
 <211> 13
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

 <400> 1363
 Arg Arg Leu Ile Glu Asp Asn Glu Tyr Thr Ala Arg Gly
 1 5 10

<210> 1364
 <211> 15
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

 <400> 1364
 Pro Leu Ala Arg Thr Leu Ser Val Ala Gly Leu Pro Gly Lys Lys
 1 5 10 15

<210> 1365
 <211> 32
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

 <400> 1365
 Lys Glu Ala Lys Glu Lys Arg Gln Glu Gln Ile Ala Lys Arg Arg Arg
 1 5 10 15

 Leu Ser Ser Leu Arg Ala Ser Thr Ser Lys Ser Gly Gly Ser Gln Lys
 20 25 30

<210> 1366
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1366
Tyr Ser Phe Val His His Gly Phe Phe Asn Phe Arg Val Ser Trp Arg
1 5 10 15

Glu Met Leu Ala
20

<210> 1367
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1367
Val Ala Pro Ser Asp Ser Ile Gln Ala Glu Glu Trp Tyr Phe Gly Lys
1 5 10 15

Ile Thr Arg Arg Glu
20

<210> 1368
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1368
His Arg His Phe Leu Arg
1 5

<210> 1369

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1369

Arg Cys Leu Gly Thr Val Gln Gly Gln Phe Pro Leu Cys Tyr His Phe
1 5 10 15

Leu Ser Ala Pro Gly Arg Phe Gln Glu
20 25

<210> 1370

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1370

Met Tyr Ser Asn Val Ile Gly Thr Val Thr Ser Gly Lys Arg
1 5 10

<210> 1371

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1371

Phe Tyr Lys Ala Asp Gly Val Val Phe Ser Ile Tyr Asp Val Pro Gly
1 5 10 15

Arg Gln Val Pro Leu Ser Ala Arg Gly
20 25

<210> 1372
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1372
Trp Ser Pro Gln Glu Glu Asp Arg Ile Ile Glu Gly Gly Ile Tyr Asp
1 5 10 15

Ala Asp Leu Asn
20

<210> 1373
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1373
Val Ser Ser Ala Glu Gly Trp His Gly Asn Val Thr Leu Asn Ile Arg
1 5 10 15

Pro Ser Thr Gly
20

<210> 1374
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1374
Cys Ser Pro Cys His Ala Met Lys Met Asn Ile
1 5 10

<210> 1375

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1375

Glu Val Ser Phe Leu Asn Cys Ser Leu Asp Asn Gly Gly Cys Thr Pro
1 5 10 15

Leu Leu Pro Arg Gly Gly Gly Leu Ala Ala Leu
20 25

<210> 1376

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1376

Met Ala Pro Glu Glu Ile Ile Met Asp Arg Pro Phe Leu Phe Val Val
1 5 10 15

Arg His Asn Pro Thr Gly Thr Val Leu Phe Met Gly Gln Val Met Glu
20 25 30

Pro

<210> 1377

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1377

<210> 1380

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1380

Gly Gly Cys Leu Pro His Asn Arg Phe Cys Asn Ala Leu Ser Gly Pro
1 5 10 15

Arg Cys Cys Ser Gly Leu Lys Cys Lys Glu Leu Ser Ile Trp Asp Ser
20 25 30

Arg Cys Leu
35

<210> 1381

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1381

Cys Asn Cys Lys Ala Pro Glu Thr Ala Leu Cys Ala Arg Arg Cys Gln
1 5 10 15

Gln His

<210> 1382

<211> 60

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1382

Trp Gln Pro Pro Trp Tyr Cys Lys Glu Pro Val Arg Ile Gly Ser Cys
1 5 10 15

Lys Lys Gln Phe Ser Ser Phe Tyr Phe Lys Trp Thr Ala Lys Lys Cys
20 25 30

Leu Pro Phe Leu Phe Ser Gly Cys Gly Gly Asn Ala Asn Arg Phe Gln
35 40 45

Thr Ile Gly Glu Cys Arg Lys Lys Cys Leu Gly Lys
50 55 60

<210> 1383

<211> 60

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1383

Arg Ile Cys Tyr Ile His Lys Ala Ser Leu Pro Arg Ala Thr Lys Thr
1 5 10 15

Cys Val Glu Asn Thr Cys Tyr Lys Met Phe Ile Arg Thr Gln Arg Glu
20 25 30

Tyr Ile Ser Glu Arg Gly Cys Gly Cys Pro Thr Ala Met Trp Pro Tyr
35 40 45

Gln Thr Glu Cys Cys Lys Gly Asp Arg Cys Asn Lys
50 55 60

<210> 1384

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1384

Phe Thr Asn Val Ser Cys Thr Thr Ser Lys Glu Cys Trp Ser Val Cys

1 5 10 15

Gln Arg Leu His Asn Thr Ser Arg Gly Lys Cys Met Asn Lys Lys Cys
20 25 30

Arg Cys Tyr Ser
35

<210> 1385

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1385

Met Cys Met Pro Cys Phe Thr Thr Asp His Gln Met Ala Arg Lys Cys
1 5 10 15

Asp Asp Cys Cys Gly Gly Lys Gly Arg Gly Lys Cys Tyr Gly Pro Gln
20 25 30

Cys Leu Cys Arg
35

<210> 1386

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1386

Glu Cys Cys Asn Pro Ala Cys Gly Arg His Tyr Ser Cys
1 5 10

<210> 1387

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1387

Ala Cys Ser Gly Arg Gly Ser Arg Cys Gln Cys Cys Met Gly Leu Arg
1 5 10 15

Cys Gly Arg Gly Asn Pro Gln Lys Cys Ile Gly Ala His Asp Val
20 25 30

<210> 1388

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1388

Gly Arg Cys Cys His Pro Ala Cys Gly Lys Asn Tyr Ser Cys
1 5 10

<210> 1389

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1389

Arg Asp Cys Cys Tyr His Pro Thr Cys Asn Met Ser Asn Pro Gln Ile
1 5 10 15

Cys

<210> 1390

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1390

Tyr Cys Cys His Pro Ala Cys Gly Lys Asn Phe Asp Cys
1 5 10

<210> 1391

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1391

Gly Cys Cys Ser Asp Pro Arg Cys Ala Trp Arg Cys
1 5 10

<210> 1392

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1392

Ile Cys Cys Asn Pro Ala Cys Gly Pro Lys Tyr Ser Cys
1 5 10

<210> 1393

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1393

Arg Asp Cys Cys Thr Arg Lys Cys Lys Asp Arg Arg Cys Lys Met Lys

1

5

10

15

Cys Cys Ala

<210> 1394

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1394

Cys	Lys	Ser	Gly	Ser	Ser	Cys	Ser	Thr	Ser	Tyr	Asn	Cys	Cys	Arg	Ser
1				5					10					15	

Cys	Asn	Tyr	Thr	Lys	Arg	Cys	Tyr
				20			

<210> 1395

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1395

Cys	Lys	Gly	Lys	Gly	Ala	Lys	Cys	Ser	Arg	Leu	Met	Tyr	Asp	Cys	Cys
1				5					10					15	

Thr	Gly	Ser	Cys	Arg	Ser	Gly	Lys	Cys
			20				25	

<210> 1396

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1396

Cys Lys Gly Lys Gly Ala Pro Cys Arg Lys Thr Met Tyr Asp Cys Cys
1 5 10 15

Ser Gly Ser Cys Gly Arg Arg Gly Lys Cys
20 25

<210> 1397

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1397

Cys Lys Leu Lys Gly Gln Ser Cys Arg Lys Thr Ser Tyr Asp Cys Cys
1 5 10 15

Ser Gly Ser Cys Gly Arg Ser Gly Lys Cys
20 25

<210> 1398

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1398

Lys Thr Lys Cys Lys Phe Leu Lys Lys Cys
1 5 10

<210> 1399

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1399

Arg Asp Cys Cys Thr Lys Lys Cys Lys Asp Arg Gln Cys Lys Gln Arg
1 5 10 15

Cys Cys Ala

<210> 1400

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1400

Glu Phe Thr Asp Val Asp Cys Ser Val Ser Lys Glu Cys Trp Ser Val
1 5 10 15

Cys Lys Asp Leu Phe Gly Val Asp Arg Gly Lys Cys Met Gly Lys Lys
20 25 30

Cys Arg Cys Tyr Gln
35

<210> 1401

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1401

Gly Val Glu Ile Asn Val Lys Cys Ser Gly Ser Pro Gln Cys Leu Lys
1 5 10 15

Pro Cys Lys Asp Ala Gly Met Arg Phe Gly Lys Cys Met Asn Arg Lys
20 25 30

Cys His Cys Thr Pro
35

<210> 1402
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1402
Gly Val Glu Ile Asn Val Lys Cys Ser Gly Ser Pro Gln Cys Leu Lys
1 5 10 15
Pro Cys Lys Asp Ala Gly Met Arg Phe Gly Lys Cys Met Asn Arg Lys
20 25 30
Cys His Cys Thr Pro
35

<210> 1403
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1403
Ile Lys Cys Asn Cys Lys Arg His Val Ile Lys Pro His Ile Cys Arg
1 5 10 15
Lys Ile Cys Gly Lys Asn
20

<210> 1404
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1404

Thr Ile Ile Asn Val Lys Cys Thr Ser Pro Lys Gln Cys Leu Pro Pro
 1 5 10 15

Cys Lys Ala Gln Phe Gly Gln Ser Ala Gly Ala Lys Cys Met Asn Gly
 20 25 30

Lys Cys Lys Cys Tyr Pro His
 35

<210> 1405

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1405

Phe Asp Arg Ala
 1

<210> 1406

<211> 44

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1406

Ala Asp Cys Ser Ala Thr Gly Asp Thr Cys Asp His Thr Lys Lys Cys
 1 5 10 15

Cys Asp Asp Cys Tyr Thr Cys Arg Cys Gly Thr Pro Trp Gly Ala Asn
 20 25 30

Cys Arg Cys Asp Tyr Tyr Lys Ala Arg Cys Asp Thr
 35 40

<210> 1407

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1407

Ala Phe Cys Asn Leu Arg Met Cys Gln Leu Ser Cys Arg Ser Leu Gly
1 5 10 15

Leu Leu Gly Lys Cys Ile Gly Asp Lys Cys Glu Cys Val Lys His
20 25 30

<210> 1408

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1408

Arg Ser Cys Ile Asp Thr Ile Pro Lys Ser Arg Cys Thr Ala Phe Gln
1 5 10 15

Cys Lys His Ser Met Lys Tyr Arg Leu Ser Phe Cys Arg Lys Thr Cys
20 25 30

Gly Thr Cys
35

<210> 1409

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1409

Phe Leu Pro Leu Ile Leu Gly Lys Leu Val Lys Gly Leu Leu
1 5 10

<210> 1410

<211> 14
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1410

Ile Asn Leu Lys Ala Ile Ala Ala Leu Val Lys Lys Val Leu
1 5 10

<210> 1411

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1411

Ile Asn Leu Lys Ala Leu Ala Ala Leu Ala Lys Lys Ile Leu
1 5 10

<210> 1412

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1412

Ile Asn Leu Lys Ala Leu Ala Ala Leu Ala Lys Ala Leu Leu
1 5 10

<210> 1413

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 1413

Ile Asn Leu Lys Ala Leu Ala Ala Leu Ala Lys Arg Leu Leu

1

5

10

<210> 1414

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1414

Ile Asn Leu Lys Ala Lys Ala Ala Leu Ala Lys Lys Leu Leu

1

5

10

<210> 1415

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1415

Ile Asn Trp Lys Gly Ile Ala Ala Met Ala Lys Lys Leu Leu

1

5

10

<210> 1416

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1416

Phe Met Ser Ser His Gln Ser Gln Ala Ser Leu Glu Leu Ala Ile Lys

1

5

10

15

Gln Trp Gly Ser Gln

20

<210> 1417

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1417

Phe Asn Lys Ile Thr Pro Asn Leu Ala Glu Phe Ala Phe Ser Leu Tyr

1

5

10

15

Arg Gln Leu Ala

20

<210> 1418

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1418

Trp Ser Pro Lys Glu Glu Asp Arg Ile Ile Pro Gly Gly Ile Tyr Asn

1

5

10

15

Ala Asp Leu Asn Asp Glu Trp Val Gln Arg Ala Leu His Phe Ala Ile

20

25

30

Ser Glu

<210> 1419

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

[illegible]

Tyr Thr Ser Leu Ile His Ser Leu Ile Glu Glu Ser Gln Asn Gln Gln
1 5 10 15

Trp Asn Trp Phe
35

<213> Artificial Sequence

<223> Description of Artificial Sequence: Synthetic Peptide

Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15

Thr Val Trp Gln Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu
20 25 30

Arg Tyr Leu Lys Asp Gln
35

<213> Artificial Sequence

<223> Description of Artificial Sequence: Synthetic Peptide

Tyr Thr Asn Thr Ile Tyr Thr Leu Leu Glu Glu Ser Gln Asn Gln Gln
1 5 10 15

Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala Ser Leu
20 25 30

Trp Asn Trp Phe
35

<210> 1422
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1422
Tyr Thr Gly Ile Ile Tyr Asn Leu Leu Glu Glu Ser Gln Asn Gln Gln
1 5 10 15

Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala Asn Leu
20 25 30

Trp Asn Trp Phe
35

<210> 1423
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1423
Tyr Thr Ser Leu Ile Tyr Ser Leu Leu Glu Lys Ser Gln Thr Gln Gln
1 5 10 15

Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala Ser Leu
20 25 30

Trp Asn Trp Phe
35

<210> 1424
<211> 36
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1424

Leu Glu Ala Asn Ile Ser Lys Ser Leu Glu Gln Ala Gln Ile Gln Gln
1 5 10 15

Glu Lys Asn Met Tyr Glu Leu Gln Lys Leu Asn Ser Trp Asp Ile Phe
20 25 30

Gly Asn Trp Phe
35

<210> 1425

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1425

Leu Glu Ala Asn Ile Ser Gln Ser Leu Glu Gln Ala Gln Ile Gln Gln
1 5 10 15

Glu Lys Asn Met Tyr Glu Leu Gln Lys Leu Asn Ser Trp Asp Val Phe
20 25 30

Thr Asn Trp Leu
35

<210> 1426

<211> 41

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1426

Cys Gly Gly Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu

1

5

10

15

Leu Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu
 20 25 30

Ala Val Glu Arg Tyr Leu Lys Asp Gln
 35 40

<210> 1427

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1427

Gln Gln Leu Leu Asp Val Val Lys Arg Gln Gln Glu Met Leu Arg Leu
 1 5 10 15

Thr Val Trp Gly Thr Lys Asn Leu Gln Ala Arg Val Thr Ala Ile Glu
 20 25 30

Lys Tyr Leu Lys Asp Gln
 35

<210> 1428

<211> 46

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1428

Tyr Thr Ser Val Ile Thr Ile Glu Leu Ser Asn Ile Lys Glu Asn Lys
 1 5 10 15

Cys Asn Gly Ala Lys Val Lys Leu Ile Lys Gln Glu Leu Asp Lys Tyr
 20 25 30

Lys Asn Ala Val Thr Glu Leu Gln Leu Leu Met Gln Ser Thr
 35 40 45

<210> 1429

<211> 54

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1429

Ala Ser Gly Val Ala Val Ser Lys Val Leu His Leu Glu Gly Glu Val
1 5 10 15

Asn Lys Ile Ala Leu Leu Ser Thr Asn Lys Ala Val Val Ser Leu Ser
20 25 30

Asn Gly Val Ser Val Leu Thr Ser Lys Val Leu Asp Leu Lys Asn Tyr
35 40 45

Ile Asp Lys Gln Leu Leu
50

<210> 1430

<211> 53

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1430

Gly Glu Pro Ile Ile Asn Phe Tyr Asp Pro Leu Val Phe Pro Ser Asp
1 5 10 15

Glu Phe Asp Ala Ser Ile Ser Gln Val Asn Glu Lys Ile Asn Gln Ser
20 25 30

Leu Ala Phe Ile Arg Lys Ser Asp Glu Leu Leu His Asn Val Asn Ala
35 40 45

Gly Lys Ser Thr Thr
50

<210> 1431

<211> 48
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1431
Tyr Thr Ser Val Ile Thr Ile Glu Leu Ser Asn Ile Lys Glu Asn Lys
1 5 10 15
Cys Asn Gly Thr Asp Ala Lys Val Lys Leu Ile Lys Gln Glu Leu Asp
20 25 30
Lys Tyr Lys Asn Ala Val Thr Glu Leu Gln Leu Leu Met Gln Ser Thr
35 40 45

<210> 1432
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1432
Tyr Thr Ser Val Ile Thr Ile Glu Leu Ser Asn Ile Lys Glu Asn Lys
1 5 10 15
Cys Asn Gly Asp Ala Lys Val Lys Leu Ile Lys Gln Glu Leu Asp Lys
20 25 30

Tyr Lys

<210> 1433
<211> 34
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1433

Thr Ser Val Ile Thr Ile Glu Leu Ser Asn Ile Lys Glu Asn Lys Cys
1 5 10 15

Asn Gly Asp Ala Lys Val Lys Leu Ile Lys Gln Glu Leu Asp Lys Tyr
20 25 30

Lys Asn

<210> 1434

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1434

Val Ile Thr Ile Glu Leu Ser Asn Ile Lys Glu Asn Lys Cys Asn Gly
1 5 10 15

Asp Ala Lys Val Lys Leu Ile Lys Gln Glu Leu Asp Lys Tyr Lys Asn
20 25 30

Ala Val

<210> 1435

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1435

Val Ile Thr Ile Glu Leu Ser Asn Ile Lys Glu Asn Lys Met Asn Gly
1 5 10 15

Asp Ala Lys Val Lys Leu Ile Lys Gln Glu Leu Asp Lys Tyr Lys Asn

20

25

30

Ala Val

<210> 1436

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1436

Val	Ala	Val	Ser	Lys	Val	Leu	His	Leu	Glu	Gly	Glu	Val	Asn	Lys	Ile
1				5					10					15	

Ala	Leu	Leu	Ser	Thr	Asn	Lys	Ala	Val	Val	Ser	Leu	Ser	Asn	Gly	Val
			20					25					30		

Ser

<210> 1437

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1437

Ala	Val	Ser	Lys	Val	Leu	His	Leu	Glu	Gly	Glu	Val	Asn	Lys	Ile	Ala
1				5					10					15	

Leu	Leu	Ser	Thr	Asn	Lys	Ala	Val	Val	Ser	Leu	Ser	Asn	Gly	Val	Ser
			20					25					30		

Val

<210> 1438

<211> 33

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1438

Val Ser Lys Val Leu His Leu Glu Gly Glu Val Asn Lys Ile Ala Leu
1 5 10 15

Leu Ser Thr Asn Lys Ala Val Val Ser Leu Ser Asn Gly Val Ser Val
20 25 30

Leu

<210> 1439

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1439

Ser Lys Val Leu His Leu Glu Gly Glu Val Asn Lys Ile Ala Leu Leu
1 5 10 15

Ser Thr Asn Lys Ala Val Val Ser Leu Ser Asn Gly Val Ser Val Leu
20 25 30

Thr

<210> 1440

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1440

Lys Val Leu His Leu Glu Gly Glu Val Asn Lys Ile Ala Leu Leu Ser
 1 5 10 15

Thr Asn Lys Ala Val Val Ser Leu Ser Asn Gly Val Ser Val Leu Thr
 20 25 30

Ser

<210> 1441

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1441

Leu Glu Gly Glu Val Asn Lys Ile Ala Leu Leu Ser Thr Asn Lys Ala
 1 5 10 15

Val Val Ser Leu Ser Asn Gly Val Ser Val Leu Thr Ser Lys Val Leu
 20 25 30

Asp

<210> 1442

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1442

Gly Glu Val Asn Lys Ile Ala Leu Leu Ser Thr Asn Lys Ala Val Val
 1 5 10 15

Ser Leu Ser Asn Gly Val Ser Val Leu Thr Ser Lys Val Leu Asp Leu
 20 25 30

Lys

<210> 1443

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1443

Glu Val Asn Lys Ile Ala Leu Leu Ser Thr Asn Lys Ala Val Val Ser
1 5 10 15

Leu Ser Asn Gly Val Ser Val Leu Thr Ser Lys Val Leu Asp Leu Lys
20 25 30

Asn

<210> 1444

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1444

Val Asn Lys Ile Ala Leu Leu Ser Thr Asn Lys Ala Val Val Ser Leu
1 5 10 15

Ser Asn Gly Val Ser Val Leu Thr Ser Lys Val Leu Asp Leu Lys Asn
20 25 30

Tyr

<210> 1445

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1445

Asn Lys Ile Ala Leu Leu Ser Thr Asn Lys Ala Val Val Ser Leu Ser
1 5 10 15

Asn Gly Val Ser Val Leu Thr Ser Lys Val Leu Asp Leu Lys Asn Tyr
20 25 30

Ile

<210> 1446

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1446

Lys Ile Ala Leu Leu Ser Thr Asn Lys Ala Val Val Ser Leu Ser Asn
1 5 10 15

Gly Val Ser Val Leu Thr Ser Lys Val Leu Asp Leu Lys Asn Tyr Ile
20 25 30

Asp

<210> 1447

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1447

Ile Ala Leu Leu Ser Thr Asn Lys Ala Val Val Ser Leu Ser Asn Gly
1 5 10 15

Val Ser Val Leu Thr Ser Lys Val Leu Asp Leu Lys Asn Tyr Ile Asp

Lys

<210> 1448

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1448

Ala Leu Leu Ser Thr Asn Lys Ala Val Val Ser Leu Ser Asn Gly Val
1 5 10 15

Ser Val Leu Thr Ser Lys Val Leu Asp Leu Lys Asn Tyr Ile Asp Lys
20 25 30

Gln

<210> 1449

<211> 70

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1449

Gly Thr Ile Ala Leu Gly Val Ala Thr Ser Ala Gln Ile Thr Ala Ala
1 5 10 15

Val Ala Leu Val Glu Ala Lys Gln Ala Arg Ser Asp Ile Glu Lys Leu
20 25 30

Lys Glu Ala Ile Arg Asp Thr Asn Lys Ala Val Gln Ser Val Gln Ser
35 40 45

Ser Ile Gly Asn Leu Ile Val Ala Ile Lys Ser Val Gln Asp Tyr Val
50 55 60

Asn Lys Glu Ile Val Pro
65 70

<210> 1450

<211> 56

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1450

Tyr Thr Pro Asn Asp Ile Thr Leu Asn Asn Ser Val Ala Leu Asp Pro
1 5 10 15

Ile Asp Ile Ser Ile Glu Leu Asn Lys Ala Lys Ser Asp Leu Glu Glu
20 25 30

Ser Lys Glu Trp Ile Arg Arg Ser Asn Gln Lys Leu Asp Ser Ile Gly
35 40 45

Asn Trp His Gln Ser Ser Thr Thr
50 55

<210> 1451

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1451

Thr Leu Asn Asn Ser Val Ala Leu Asp Pro Ile Asp Ile Ser Ile Glu
1 5 10 15

Leu Asn Lys Ala Lys Ser Asp Leu Glu Glu Ser Lys Glu Trp Ile Arg
20 25 30

Arg Ser Asn
35

<210> 1452

<211> 35
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1452

Leu Asn Asn Ser Val Ala Leu Asp Pro Ile Asp Ile Ser Ile Glu Leu
1 5 10 15

Asn Lys Ala Lys Ser Asp Leu Glu Glu Ser Lys Glu Trp Ile Arg Arg
20 25 30

Ser Asn Gln
35

<210> 1453
<211> 35
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1453

Asn Asn Ser Val Ala Leu Asp Pro Ile Asp Ile Ser Ile Glu Leu Asn
1 5 10 15

Lys Ala Lys Ser Asp Leu Glu Glu Ser Lys Glu Trp Ile Arg Arg Ser
20 25 30

Asn Gln Lys
35

<210> 1454
<211> 35
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1454

Asn Ser Val Ala Leu Asp Pro Ile Asp Ile Ser Ile Glu Leu Asn Lys
1 5 10 15

Ala Lys Ser Asp Leu Glu Glu Ser Lys Glu Trp Ile Arg Arg Ser Asn
20 25 30

Gln Lys Leu
35

<210> 1455

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1455

Ser Val Ala Leu Asp Pro Ile Asp Ile Ser Ile Glu Leu Asn Lys Ala
1 5 10 15

Lys Ser Asp Leu Glu Glu Ser Lys Glu Trp Ile Arg Arg Ser Asn Gln
20 25 30

Lys Leu Asp
35

<210> 1456

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1456

Val Ala Leu Asp Pro Ile Asp Ile Ser Ile Glu Leu Asn Lys Ala Lys
1 5 10 15

Ser Asp Leu Glu Glu Ser Lys Glu Trp Ile Arg Arg Ser Asn Gln Lys
20 25 30

Leu Asp Ser

<210> 1457
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1457
 Ala Leu Asp Pro Ile Asp Ile Ser Ile Glu Leu Asn Lys Ala Lys Ser
 1 5 10 15
 Asp Leu Glu Glu Ser Lys Glu Trp Ile Arg Arg Ser Asn Gln Lys Leu
 20 25 30
 Asp Ser Ile
 35

<210> 1458
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1458
 Leu Asp Pro Ile Asp Ile Ser Ile Glu Leu Asn Lys Ala Lys Ser Asp
 1 5 10 15
 Leu Glu Glu Ser Lys Glu Trp Ile Arg Arg Ser Asn Gln Lys Leu Asp
 20 25 30
 Ser Ile Gly
 35

<210> 1459
 <211> 35
 <212> PRT
 <213> Artificial Sequence

00500" 87922960

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1459

Asp Pro Ile Asp Ile Ser Ile Glu Leu Asn Lys Ala Lys Ser Asp Leu
1 5 10 15

Glu Glu Ser Lys Glu Trp Ile Arg Arg Ser Asn Gln Lys Leu Asp Ser
20 25 30

Ile Gly Asn
35

<210> 1460

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1460

Pro Ile Asp Ile Ser Ile Glu Leu Asn Lys Ala Lys Ser Asp Leu Glu
1 5 10 15

Glu Ser Lys Glu Trp Ile Arg Arg Ser Asn Gln Lys Leu Asp Ser Ile
20 25 30

Gly Asn Trp
35

<210> 1461

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1461

Ile Asp Ile Ser Ile Glu Leu Asn Lys Ala Lys Ser Asp Leu Glu Glu
1 5 10 15

Ser Lys Glu Trp Ile Arg Arg Ser Asn Gln Lys Leu Asp Ser Ile Gly
 20 25 30

Asn Trp His
 35

<210> 1462
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1462
 Asp Ile Ser Ile Glu Leu Asn Lys Ala Lys Ser Asp Leu Glu Glu Ser
 1 5 10 15

Lys Glu Trp Ile Arg Arg Ser Asn Gln Lys Leu Asp Ser Ile Gly Asn
 20 25 30

Trp His Gln
 35

<210> 1463
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1463
 Ile Ser Ile Glu Leu Asn Lys Ala Lys Ser Asp Leu Glu Glu Ser Lys
 1 5 10 15

Glu Trp Ile Arg Arg Ser Asn Gln Lys Leu Asp Ser Ile Gly Asn Trp
 20 25 30

His Gln Ser
 35

<210> 1464

005060-375650

<211> 35
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1464

Ser Ile Glu Leu Asn Lys Ala Lys Ser Asp Leu Glu Glu Ser Lys Glu
1 5 10 15

Trp Ile Arg Arg Ser Asn Gln Lys Leu Asp Ser Ile Gly Asn Trp His
20 25 30

Gln Ser Ser
35

<210> 1465
<211> 35
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1465

Ile Glu Leu Asn Lys Ala Lys Ser Asp Leu Glu Glu Ser Lys Glu Trp
1 5 10 15

Ile Arg Arg Ser Asn Gln Lys Leu Asp Ser Ile Gly Asn Trp His Gln
20 25 30

Ser Ser Thr
35

<210> 1466
<211> 35
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1466

Glu Leu Asn Lys Ala Lys Ser Asp Leu Glu Glu Ser Lys Glu Trp Ile
1 5 10 15

Arg Arg Ser Asn Gln Lys Leu Asp Ser Ile Gly Asn Trp His Gln Ser
20 25 30

Ser Thr Thr
35

<210> 1467

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1467

Thr Ala Ala Val Ala Leu Val Glu Ala Lys Gln Ala Arg Ser Asp Ile
1 5 10 15

Glu Lys Leu Lys Glu Ala Ile Arg Asp Thr Asn Lys Ala Val Gln Ser
20 25 30

Val Gln Ser
35

<210> 1468

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1468

Ala Val Ala Leu Val Glu Ala Lys Gln Ala Arg Ser Asp Ile Glu Lys
1 5 10 15

Leu Lys Glu Ala Ile Arg Asp Thr Asn Lys Ala Val Gln Ser Val Gln
20 25 30

Ser Ser Ile

<210> 1469
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1469
 Leu Val Glu Ala Lys Gln Ala Arg Ser Asp Ile Glu Lys Leu Lys Glu
 1 5 10 15
 Ala Ile Arg Asp Thr Asn Lys Ala Val Gln Ser Val Gln Ser Ser Ile
 20 25 30
 Gly Asn Leu
 35

<210> 1470
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1470
 Val Glu Ala Lys Gln Ala Arg Ser Asp Ile Glu Lys Leu Lys Glu Ala
 1 5 10 15
 Ile Arg Asp Thr Asn Lys Ala Val Gln Ser Val Gln Ser Ser Ile Gly
 20 25 30
 Asn Leu Ile
 35

<210> 1471
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1471

Glu Ala Lys Gln Ala Arg Ser Asp Ile Glu Lys Leu Lys Glu Ala Ile
1 5 10 15

Arg Asp Thr Asn Lys Ala Val Gln Ser Val Gln Ser Ser Ile Gly Asn
20 25 30

Leu Ile Val
35

<210> 1472

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1472

Ala Lys Gln Ala Arg Ser Asp Ile Glu Lys Leu Lys Glu Ala Ile Arg
1 5 10 15

Asp Thr Asn Lys Ala Val Gln Ser Val Gln Ser Ser Ile Gly Asn Leu
20 25 30

Ile Val Ala
35

<210> 1473

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1473

Lys Gln Ala Arg Ser Asp Ile Glu Lys Leu Lys Glu Ala Ile Arg Asp
1 5 10 15

Thr Asn Lys Ala Val Gln Ser Val Gln Ser Ser Ile Gly Asn Leu Ile
 20 25 30

Val Ala Ile
 35

<210> 1474
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1474
 Gln Ala Arg Ser Asp Ile Glu Lys Leu Lys Glu Ala Ile Arg Asp Thr
 1 5 10 15

Asn Lys Ala Val Gln Ser Val Gln Ser Ser Ile Gly Asn Leu Ile Val
 20 25 30

Ala Ile Lys
 35

<210> 1475
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1475
 Ala Arg Ser Asp Ile Glu Lys Leu Lys Glu Ala Ile Arg Asp Thr Asn
 1 5 10 15

Lys Ala Val Gln Ser Val Gln Ser Ser Ile Gly Asn Leu Ile Val Ala
 20 25 30

Ile Lys Ser
 35

<210> 1476

<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1476
Arg Ser Asp Ile Glu Lys Leu Lys Glu Ala Ile Arg Asp Thr Asn Lys
1 5 10 15
Ala Val Gln Ser Val Gln Ser Ser Ile Gly Asn Leu Ile Val Ala Ile
20 25 30
Lys Ser Val
35

<210> 1477
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1477
Ser Asp Ile Glu Lys Leu Lys Glu Ala Ile Arg Asp Thr Asn Lys Ala
1 5 10 15
Val Gln Ser Val Gln Ser Ser Ile Gly Asn Leu Ile Val Ala Ile Lys
20 25 30
Ser Val Gln
35

<210> 1478
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1478

Lys Leu Lys Glu Ala Ile Arg Asp Thr Asn Lys Ala Val Gln Ser Val
1 5 10 15

Gln Ser Ser Ile Gly Asn Leu Ile Val Ala Ile Lys Ser Val Gln Asp
20 25 30

Tyr Val Asn
35

<210> 1479

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1479

Leu Lys Glu Ala Ile Arg Asp Thr Asn Lys Ala Val Gln Ser Val Gln
1 5 10 15

Ser Ser Ile Gly Asn Leu Ile Val Ala Ile Lys Ser Val Gln Asp Tyr
20 25 30

Val Asn Lys
35

<210> 1480

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1480

Ala Ile Arg Asp Thr Asn Lys Ala Val Gln Ser Val Gln Ser Ser Ile
1 5 10 15

Gly Asn Leu Ile Val Ala Ile Lys Ser Val Gln Asp Tyr Val Asn Lys
20 25 30

Glu Ile Val

<210> 1481

<211> 47

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1481

Thr	Trp	Gln	Glu	Trp	Glu	Arg	Lys	Val	Asp	Phe	Leu	Glu	Glu	Asn	Ile
1				5					10					15	

Thr	Ala	Leu	Leu	Glu	Glu	Ala	Gln	Ile	Gln	Gln	Glu	Lys	Asn	Met	Tyr
			20					25						30	

Glu	Leu	Gln	Lys	Leu	Asn	Ser	Trp	Asp	Val	Phe	Gly	Asn	Trp	Phe
		35					40					45		

<210> 1482

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1482

Trp	Gln	Glu	Trp	Glu	Arg	Lys	Val	Asp	Phe	Leu	Glu	Glu	Asn	Ile	Thr
1				5					10					15	

Ala	Leu	Leu	Glu	Glu	Ala	Gln	Ile	Gln	Gln	Glu	Lys	Asn	Met	Tyr	Glu
			20					25					30		

Leu	Gln	Lys
		35

<210> 1483

<211> 35

<212> PRT

<213> Artificial Sequence

Glu Glu Ala Gln Ile Gln Gln Glu Lys Asn Met Tyr Glu Leu Gln Lys
 20 25 30

Leu Asn Ser
 35

<210> 1486
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1486
 Glu Arg Lys Val Asp Phe Leu Glu Glu Asn Ile Thr Ala Leu Leu Glu
 1 5 10 15

Glu Ala Gln Ile Gln Gln Glu Lys Asn Met Tyr Glu Leu Gln Lys Leu
 20 25 30

Asn Ser Trp
 35

<210> 1487
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1487
 Arg Lys Val Asp Phe Leu Glu Glu Asn Ile Thr Ala Leu Leu Glu Glu
 1 5 10 15

Ala Gln Ile Gln Gln Glu Lys Asn Met Tyr Glu Leu Gln Lys Leu Asn
 20 25 30

Ser Trp Asp
 35

<210> 1488

<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1488
Lys Val Asp Phe Leu Glu Glu Asn Ile Thr Ala Leu Leu Glu Glu Ala
1 5 10 15

Gln Ile Gln Gln Glu Lys Asn Met Tyr Glu Leu Gln Lys Leu Asn Ser
20 25 30

Trp Asp Val
35

<210> 1489
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1489
Val Asp Phe Leu Glu Glu Asn Ile Thr Ala Leu Leu Glu Glu Ala Gln
1 5 10 15

Ile Gln Gln Glu Lys Asn Met Tyr Glu Leu Gln Lys Leu Asn Ser Trp
20 25 30

Asp Val Phe
35

<210> 1490
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1490

Asp Phe Leu Glu Glu Asn Ile Thr Ala Leu Leu Glu Glu Ala Gln Ile
1 5 10 15

Gln Gln Glu Lys Asn Met Tyr Glu Leu Gln Lys Leu Asn Ser Trp Asp
20 25 30

Val Phe Gly
35

<210> 1491

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1491

Phe Leu Glu Glu Asn Ile Thr Ala Leu Leu Glu Glu Ala Gln Ile Gln
1 5 10 15

Gln Glu Lys Asn Met Tyr Glu Leu Gln Lys Leu Asn Ser Trp Asp Val
20 25 30

Phe Gly Asn
35

<210> 1492

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1492

Pro Asp Ala Val Tyr Leu His Arg Ile Asp Leu Gly Pro Pro Ile Ser
1 5 10 15

Leu Glu Arg Leu Asp Val Gly Thr Asn Leu Gly Asn Ala Ile Ala Lys
20 25 30

Leu Glu Asp

<210> 1493
 <211> 34
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1493
 Leu Glu Arg Leu Asp Val Gly Thr Asn Leu Gly Asn Ala Ile Ala Lys
 1 5 10 15
 Leu Glu Ala Lys Glu Leu Leu Glu Ser Ser Asp Gln Ile Leu Arg Ser
 20 25 30

Met Lys

<210> 1494
 <211> 34
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1494
 Leu His Arg Ile Asp Leu Gly Pro Pro Ile Ser Leu Glu Arg Leu Asp
 1 5 10 15
 Val Gly Thr Asn Leu Gly Asn Ala Ile Ala Lys Leu Glu Ala Lys Glu
 20 25 30

Leu Leu

<210> 1495
 <211> 34
 <212> PRT
 <213> Artificial Sequence

005000-84922960

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1495

His Arg Ile Asp Leu Gly Pro Pro Ile Ser Leu Glu Arg Leu Asp Val
1 5 10 15

Gly Thr Asn Leu Gly Asn Ala Ile Ala Lys Leu Glu Ala Lys Glu Leu
20 25 30

Leu Glu

<210> 1496

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1496

Arg Ile Asp Leu Gly Pro Pro Ile Ser Leu Glu Arg Leu Asp Val Gly
1 5 10 15

Thr Asn Leu Gly Asn Ala Ile Ala Lys Leu Glu Ala Lys Glu Leu Leu
20 25 30

Glu Ser

<210> 1497

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1497

Ile Asp Leu Gly Pro Pro Ile Ser Leu Glu Arg Leu Asp Val Gly Thr
1 5 10 15

Asn Leu Gly Asn Ala Ile Ala Lys Leu Glu Ala Lys Glu Leu Leu Glu
20 25 30

Ser Ser

<210> 1498

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1498

Asp Leu Gly Pro Pro Ile Ser Leu Glu Arg Leu Asp Val Gly Thr Asn
1 5 10 15

Leu Gly Asn Ala Ile Ala Lys Leu Glu Ala Lys Glu Leu Leu Glu Ser
20 25 30

Ser Asp

<210> 1499

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1499

Leu Gly Pro Pro Ile Ser Leu Glu Arg Leu Asp Val Gly Thr Asn Leu
1 5 10 15

Gly Asn Ala Ile Ala Lys Leu Glu Ala Lys Glu Leu Leu Glu Ser Ser
20 25 30

Asp Gln

<210> 1500

<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1500
Gly Pro Pro Ile Ser Leu Glu Arg Leu Asp Val Gly Thr Asn Leu Gly
1 5 10 15

Asn Ala Ile Ala Lys Leu Glu Ala Lys Glu Leu Leu Glu Ser Ser Asp
20 25 30

Gln Ile

<210> 1501
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1501
Pro Pro Ile Ser Leu Glu Arg Leu Asp Val Gly Thr Asn Leu Gly Asn
1 5 10 15

Ala Ile Ala Lys Leu Glu Ala Lys Glu Leu Leu Glu Ser Ser Asp Gln
20 25 30

Ile Leu

<210> 1502
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1502

Pro Ile Ser Leu Glu Arg Leu Asp Val Gly Thr Asn Leu Gly Asn Ala
1 5 10 15

Ile Ala Lys Leu Glu Ala Lys Glu Leu Leu Glu Ser Ser Asp Gln Ile
20 25 30

Leu Arg

<210> 1503

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1503

Ser Leu Glu Arg Leu Asp Val Gly Thr Asn Leu Gly Asn Ala Ile Ala
1 5 10 15

Lys Leu Glu Ala Lys Glu Leu Leu Glu Ser Ser Asp Gln Ile Leu Arg
20 25 30

Ser Met

<210> 1504

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1504

Leu Glu Arg Leu Asp Val Gly Thr Asn Leu Gly Asn Ala Ile Ala Lys
1 5 10 15

Leu Glu Ala Lys Glu Leu Leu Glu Ser Ser Asp Gln Ile Leu Arg Ser
20 25 30

Met Lys

<210> 1505

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1505

Tyr Leu Cys Glu Phe Cys Leu Lys Tyr Gly Arg Ser Leu Lys Cys Leu
1 5 10 15

Gln Arg His Leu Thr Lys
20

<210> 1506

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1506

Ala Ser Thr Thr Thr Asn Tyr Thr
1 5

<210> 1507

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1507

Ala Ser Thr Thr Thr Asn Tyr Thr
1 5

<210> 1508
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1508
Ser Gln Asn Tyr Pro Ile Val Gln
1 5

<210> 1509
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1509
Glu Leu Asp Lys Trp Ala
1 5

<210> 1510
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1510
Arg Gly Val Val Asn Ala Ser Ser Arg Leu Ala
1 5 10

<210> 1511
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1511

Arg Gly Arg Arg Gln Pro Ile Pro Lys Ala
1 5 10

<210> 1512

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1512

Leu Thr Thr Gly Ser Val Val Ile Val Gly Arg Ile Ile Leu Ser Gly
1 5 10 15

Arg Pro Ala Val Val Pro Asp
20

<210> 1513

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1513

Gly Ser Val Val Ile Val Gly Arg Ile Ile Leu Ser Gly Arg
1 5 10

<210> 1514

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1514

Pro Leu Gly Phe Phe Pro Asp His Gln Leu Asp Pro Ala Phe Gly Ala
1 5 10 15

Asn Ser Asn Asn Pro Asp Trp Asp Phe Asn Pro
20 25

<210> 1515

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1515

Met Gln Trp Asn Ser Thr Thr Phe His Gln Thr Leu Gln Asp Pro Arg
1 5 10 15

Val Arg Gly Leu Tyr Phe Pro Ala Gly Gly
20 25

<210> 1516

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1516

Met Gln Trp Asn Ser Thr Ala Phe His Gln Thr
1 5 10

<210> 1517

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1517
Tyr Gly Ala Val Val Asn Asp Leu
1 5

<210> 1518
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1518
Cys Thr His Gly Ile Arg Pro Val Val Ser Thr Gln Leu Leu Leu Asn
1 5 10 15

Gly Ser Leu Ala Glu
20

<210> 1519
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1519
Ser Glu Asn Tyr Pro Ile Val
1 5

<210> 1520
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1520
Lys Ala Arg Val Phe Glu Ala
1 5

<210> 1521
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1521
Arg Ile Gln Arg Gly Pro Gly Arg Ala Phe Val Thr Ile Gly Lys
1 5 10 15

<210> 1522
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1522
Ala Ser Thr Thr Asn Tyr Thr
1 5

<210> 1523
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1523
Ala Ser Thr Thr Asn Tyr Thr
1 5

<210> 1524
<211> 15
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1524

Arg Ile Gln Arg Gly Pro Gly Arg Ala Phe Val Thr Ile Gly Lys
1 5 10 15

<210> 1525

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1525

Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15

Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu
20 25 30

Arg Tyr Leu Lys Asp Gln
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<210> 1526

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1526

Arg Gly Pro Gly Arg Ala Phe Val Thr Ile
1 5 10

<210> 1527

<211> 3

<212> PRT

<213> Artificial Sequence

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<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1530

Trp His Trp Leu Gln Leu

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5

<210> 1531

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1531

Gly Pro Gly Ala Gly

1

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<210> 1532

<211> 2

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1532

His Gly

1

<210> 1533

<211> 5

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1533

Phe Val Phe Leu Met

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<210> 1534

<211> 3

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1534

Thr Ser Lys

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<210> 1535

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1535

Lys His Gly

1

<210> 1536

<211> 16

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1536

Lys Asn Arg Trp Glu Asp Pro Gly Lys Gln Leu Tyr Asn Val Glu Ala

1

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10

15

<210> 1537

<211> 10

<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1537

Leu Arg Ala His Ala Val Asp Val Asn Gly
1 5 10

<210> 1538

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1538

Trp Ser Lys Met Asp Gln Leu Ala Lys Glu Leu Thr Ala Glu
1 5 10

<210> 1539

<211> 4

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1539

Thr Pro Arg Lys
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<210> 1540

<211> 12

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1540

Gly Glu Leu Gln Asn Gln Leu Ile Arg Lys Ser Asn

1

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<210> 1541

<211> 17

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1541

Gly Glu Tyr Gln Lys Met Leu Asn Leu Arg Ala Glu Val Lys Lys Asn

1

5

10

15

Ala

<210> 1542

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1542

Pro Phe Cys Asn Ala Phe Thr Gly Cys

1

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<210> 1543

<211> 8

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1543

Glu Lys Ala His Asp Gly Gly Arg

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<210> 1544

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1544

Pro Phe Thr Arg Asn Tyr Tyr Val Arg Ala Val Leu His Leu

1

5

10

<210> 1545

<211> 39

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1545

Ala Pro Arg Leu Pro Gln Cys Gln Gly Asp Asp Gln Glu Lys Cys Leu

1

5

10

15

Cys Asn Lys Asp Glu Cys Pro Pro Gly Gln Cys Arg Phe Pro Arg Gly

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25

30

Asp Ala Asp Pro Tyr Cys Glu

35

<210> 1546

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1546

Lys Gly Asp Glu Glu Ser Leu Ala

1

5

<210> 1547

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1547

Trp Ala Gly Gly Asp Ala Ser Gly Glu

1

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<210> 1548

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1548

Gln Ala Thr Val Gly Asp Val Asn Thr Asp Arg Pro Gly Leu Leu Asp

1

5

10

15

Leu Lys Tyr Tyr

20

<210> 1549

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1549

Thr Lys Arg Arg Ala Ile Gly Phe Lys Lys Leu Ala Glu Ala Val Lys

1

5

10

15

Cys

<210> 1550
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1550
Ser Ile Ile Asn Phe Glu Lys Leu
1 5

<210> 1551
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1551
Phe Gln Val Val Cys Gly
1 5

<210> 1552
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1552
Ala Arg Met Ala Pro Glu
1 5

<210> 1553
<211> 4
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1553

Gly Gln Pro Arg

1

<210> 1554

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1554

Thr Val Leu

1

<210> 1555

<211> 49

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1555

Leu Leu Ser Lys Arg Gly His Cys Pro Arg Ile Leu Phe Arg Cys Pro
1 5 10 15

Leu Ser Asn Pro Ser Asn Lys Cys Trp Arg Asp Tyr Asp Cys Pro Gly
20 25 30

Val Lys Lys Cys Cys Glu Gly Phe Cys Gly Lys Asp Cys Leu Tyr Pro
35 40 45

Lys

<210> 1556
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1556
Gly Phe Asp Leu Asn Gly Gly Gly Val Gly
1 5 10

<210> 1557
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1557
Ala Val Gln Ser Lys Pro Pro Ser Lys Arg Asp Pro Pro Lys Met Gln
1 5 10 15

Thr Asp

<210> 1558
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1558
Thr Lys Pro Arg
1

<210> 1559
<211> 11
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1559

Tyr Leu Asn Phe Thr Pro Asn Trp Gly Thr Tyr
1 5 10

<210> 1560

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1560

Asp Leu Trp Gln Lys
1 5

<210> 1561

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1561

Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys Gly
1 5 10 15

Asp

<210> 1562

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1562

Ala Pro Arg Leu Pro Gln Cys Gln Gly Asp Gln Glu Lys Cys Leu Cys
1 5 10 15

Asn Lys Asp Glu Cys Pro Pro Gly Gln Cys Arg Phe Pro Arg Gly Asp
20 25 30

Ala Asp Pro Tyr Cys Glu Asp
35

<210> 1563

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1563

Thr Lys Pro Arg
1

<210> 1564

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1564

Glu Glu Val Val Ala Cys
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<210> 1565

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1565
Ser Asp Lys Pro
1

<210> 1566
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1566
Arg Phe Trp Ile Asn Lys
1 5

<210> 1567
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1567
Cys Gly Tyr Gly Pro Lys Lys Lys Arg Lys Val Gly Gly
1 5 10

<210> 1568
<211> 1
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1568
Leu
1

<210> 1569
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1569
Asp Asp Asp Asp Asp
1 5

<210> 1570
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1570
Asp Asp Asp Asp Asp Asp
1 5

<210> 1571
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1571
Asn Pro Asn Ala Asn Pro Asn Ala
1 5

<210> 1572
<211> 8
<212> PRT
<213> Artificial Sequence

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<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1572

Val Ala Ile Thr Val Leu Val Lys

1

5

<210> 1573

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1573

Val Gly Val Arg Val Arg

1

5

<210> 1574

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1574

Val Ile His Ser

1

<210> 1575

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1575

Val Pro Asp Pro Arg

1

5

<210> 1576

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1576

Val Thr Cys Gly

1

<210> 1577

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1577

Arg Ser Arg

1

<210> 1578

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1578

Ser Ala Lys Leu Cys Pro Gly Gly Asn Cys Val

1

5

10

<210> 1579

<211> 6

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1579

Asp His Ala Arg Trp Lys
1 5

<210> 1580

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1580

Pro Gln Asp Pro Gln Asp Leu
1 5

<210> 1581

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1581

Gln His Phe Arg Trp Gly
1 5

<210> 1582

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1582

Asn Gln Glu Gln Val Ser Pro Leu Thr Leu Leu Lys Leu Gly Asn Gln
1 5 10 15

Glu Pro Gly

<210> 1583

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1583

Leu Ser Ala Leu Ser Leu Asp Glu Pro Phe Ile Gln Lys Asp Val Glu
1 5 10 15

Leu Arg Ile Met
20

<210> 1584

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1584

Ala Pro Glu Ala Gln Val Ser Val Gln Pro Asn Phe Gln Gln Asp
1 5 10 15

<210> 1585

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

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<400> 1585

Glu Tyr Gly Gly Thr Lys Val Leu Asp Asp Lys Asp Tyr Phe Leu Phe
1 5 10 15

Arg Asp Gly Asp Ile Leu Gly Lys Tyr Val Asp
20 25

<210> 1586

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1586

Lys Ala Tyr Ile Asn Lys Val Glu Glu Leu Lys Lys Lys Tyr Gly Ile
1 5 10 15

<210> 1587

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1587

Ser Gln Gln Ser Ser Ser Tyr Gly Gln Gln Ser Glu Lys Pro Tyr Gln
1 5 10 15

Cys Asp Phe Lys Asp Cys Glu Arg
20

<210> 1588

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1588

Ala Thr Glu Ser Ile Ala Tyr Leu Ala Pro Pro Tyr Ala Phe Arg
1 5 10 15

<210> 1589

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1589

Lys Arg Lys Arg Ser Glu Met Leu Phe Arg Gly Arg Arg Ala Ser Gln
1 5 10 15

<210> 1590

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1590

Val Ser His Pro Tyr Ser Gln His Leu Glu Gly Lys Gly
1 5 10

<210> 1591

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1591

Ala Leu Thr Asp Phe Phe Arg
1 5

<210> 1592
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1592
Gln Ala Ile Gly Leu Met Gly Tyr Arg Leu Ser Pro Gln Thr Leu Thr
1 5 10 15
Thr Ile Val Lys
20

<210> 1593
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1593
Met Gly Phe Asn Ala Phe Lys Glu Leu Trp Ala Ala Leu Asn Ala Trp
1 5 10 15
Lys

<210> 1594
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1594
Glu Val Gln Leu Val Glu Ser Gly Val Gly Leu Val Gln Pro Gly Asp
1 5 10 15

<210> 1595
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1595
Glu Leu Asp Ala Lys Ile Pro Ser Thr Gly Asp Ala Thr Glu Trp Arg
1 5 10 15

Asn

<210> 1596
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1596
Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His Gly
1 5 10 15

Val Thr Ser Ala
20

<210> 1597
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1597
Gly Lys Glu Ile Leu Val Gly Asp Val Gly Gln Thr Val Asp Asp Pro
1 5 10 15

Tyr Ala Thr Phe

<210> 1598
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1598
 Glu Leu Ser Leu Ala Gly Asn Glu Leu Gly Asp Glu Gly Ala Arg
 1 5 10 15

<210> 1599
 <211> 22
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1599
 Met Phe Ile Val Asn Thr Asn Val Pro Arg Ala Ser Val Pro Asp Gly
 1 5 10 15

Phe Leu Ser Glu Leu Thr
 20

<210> 1600
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1600
 Phe Gly Ser Phe Phe Thr Leu Asn Leu Phe Ile Gly Ile Ile Ile Asp
 1 5 10 15

Asn Phe Trp Gln Gln Lys Lys Lys Leu Gly Gly Lys Asp Ile Phe Met

Thr Glu Glu
35

<210> 1601

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1601

Gly	Leu	Pro	Gly	Arg	Asp	Gly	Arg	Asp	Gly	Arg	Glu	Gly	Phe	Arg	Gly
1				5					10					15	

Glu	Glu	Gly	Asp	Pro	Gly	Leu	Pro	Gly	Ala	Ala
			20					25		

<210> 1602

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1602

Cys	Lys	Thr	Cys	Gln	Arg	Lys	Phe	Ser	Arg	Ser	Gly	His	Leu	Lys	Thr
1				5					10					15	

His	Thr	Arg	Thr	His
				20

<210> 1603

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1603

His Val Ser Ser Glu Ala Phe Arg Met Cys Asp Val Cys Leu Glu

1

5

10

15

<210> 1604

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1604

Pro His Ser Arg Asn

1

5

<210> 1605

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1605

Pro His Ser Cys Asn

1

5

<210> 1606

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1606

Met Gly Pro Gly Ala Pro Phe Ala Arg Val Gly Trp Pro Leu Pro Leu

1

5

10

15

Leu Val Val Met Ala Gly Val Ala Pro Val Trp Ala

<210> 1607
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1607
 Met Val Lys Ser His Ile Gly Ser Trp Ile Leu Val Leu Phe Val
 1 5 10 15

<210> 1608
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1608
 Cys Ser Leu Pro Gly Ser Ala Ala Ala
 1 5

<210> 1609
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1609
 Arg Gly Leu Lys Arg Gln Ser Asp Glu Arg Lys Arg Asp Arg Glu
 1 5 10 15

<210> 1610
 <211> 57
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1610

Gly Arg Ser His Met Val Leu Asn Ser Ala Leu Glu Gly Ala Arg Gly
1 5 10 15

Gly Pro Gly Gly Glu Glu Ile Pro Glu Arg Phe Ser Ile Pro Glu Leu
20 25 30

Gln Trp Met Leu Ser Asn Ala Glu Leu Ala Pro Val Gln Ala Asp Glu
35 40 45

Pro Pro Gln Ser Arg Met Asp Leu Val
50 55

<210> 1611

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1611

Gln Ala Arg Ala Val Gly Leu Ala Gly Thr Ser Arg Ala Phe Leu Ser
1 5 10 15

Ser Arg Leu Gln Asp Leu Tyr Ser Ile Val Arg Arg Ala Asp Arg Ala
20 25 30

Ala Val Met
35

<210> 1612

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

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<210> 1613

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

Leu Arg Asp Leu Val Ser Tyr Cys Arg Ala Arg Gly Lys Gly Arg Glu
1 5 10 15

Arg Met Asn Gly Thr Arg Lys Gly His Leu Leu Tyr Met
20 25

<210> 1614

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1614

Gly Lys Arg Ser Ser Pro Glu Thr Leu Ile Ser Asp Leu Leu Met Arg
1 5 10 15

Glu Ser Thr Glu Asn Val Pro Arg Thr Arg Leu Glu Asp Pro Ala Met
20 25 30

Trp

<210> 1615

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1615

Asp Val Glu Pro Leu Leu Gly Phe Leu Ser Pro Lys Ser Gly Gln Glu
1 5 10 15

Asn Glu Val Asp Asp Phe Pro Tyr Lys Gly Gln Gly Glu Leu
20 25 30

<210> 1616

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1616

Phe Cys Lys Cys Arg Leu Glu Pro Met Lys Ala Thr Cys Asp Ile Ser
1 5 10 15

Glu Cys Pro Glu
20

<210> 1617

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1617

Lys Ser His Gly Arg Thr Gln Asn Pro Val Val His Phe Phe Lys Asn
1 5 10 15

Ile Val Thr Pro
20